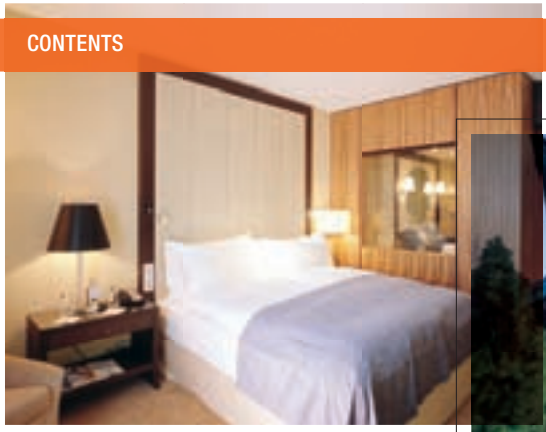
CONTENTS

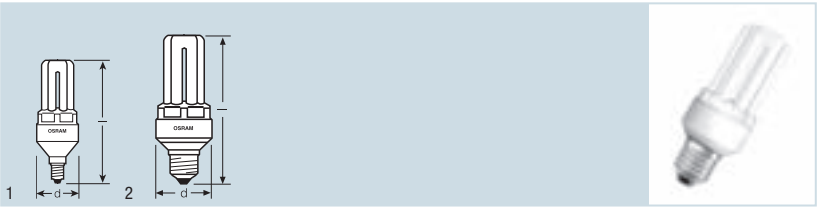


Compact fluorescent lamps

OSRAM DULUX® INTELLIGENT FACILITY	3.02
OSRAM DULUX® INTELLIGENT VARIO	3.03
OSRAM DULUX® INTELLIGENT DIM	3.04
OSRAM DULUX® INTELLIGENT SOLAR 12V	3.05
OSRAM DULUX® INTELLIGENT SOLAR 12V VARIO	3.06
OSRAM DULUX® INTELLIGENT SENSOR	3.07
OSRAM DULUX® INTELLIGENT LONGLIFE	3.08

OSRAM DULUX® SUPERSTAR STICK	3.09
OSRAM DULUX® SUPERSTAR MICRO TWIST	3.10
OSRAM DULUX® SUPERSTAR CIRCOLUX®	3.11
OSRAM DULUX® SUPERSTAR MINI BALL	3.12
OSRAM DULUX® SUPERSTAR MINI GLOBE	3.13
OSRAM DULUX® SUPERSTAR GLOBE	3.14
OSRAM DULUX® SUPERSTAR MINI CANDLE	3.15
OSRAM DULUX® SUPERSTAR REFLECTOR	3.16
OSRAM DULUXSTAR® STICK	3.17
OSRAM DULUXSTAR® MINI TWIST	3.18
OSRAM DULUXSTAR® NANO TWIST	3.19
OSRAM DULUXSTAR® CLASSIC A	3.20
OSRAM DULUXSTAR® MINI BALL	3.21
OSRAM DULUXSTAR® MINI GLOBE	3.22
OSRAM DULUXSTAR® GLOBE	3.23
OSRAM DULUXSTAR® MINI CANDLE	3.24
OSRAM DULUXSTAR® MINI BULLET	3.25
OSRAM DULUXSTAR® REFLECTOR	3.26
OSRAM DULUX® T PLUS for CCGs	3.27
OSRAM DULUX® T/E PLUS for ECGs	3.28
OSRAM DULUX® T/E CONSTANT for ECGs	3.29
OSRAM DULUX® T/E HE HIGH EFFICIENCY for ECGs	3.30
OSRAM DULUX® T/E XT for ECGs	3.31
OSRAM DULUX® D for CCGs	3.32
OSRAM DULUX® D ES ENERGY SAVER for CCGs	3.33
OSRAM DULUX® D/E for ECGs	3.34
OSRAM DULUX® D/E XT for ECGs	3.35
OSRAM DULUX® S for CCGs	3.36
OSRAM DULUX® S/E for ECGs	3.37
OSRAM DULUX® L LUMILUX®	3.38
OSRAM DULUX® L CONSTANT for ECGs	3.40
OSRAM DULUX® L LUMILUX® DE LUXE	3.41
OSRAM DULUX® L SP	3.42
OSRAM DULUX® L HE HIGH EFFICIENCY for ECGs	3.43
OSRAM DULUX® L XT	3.44
OSRAM DULUX® F	3.45
OSRAM CFL SQUARE® 2-Pin for CCGs	3.46
OSRAM CFL SQUARE® 4-Pin	3.47
OSRAM ENDURA® – the electrode-less fluorescent lamp	3.48
Technical data	3.49
Spectral power distribution	3.51
Light colors and color rendering properties	3.52
Circuit diagrams for conventional control gear	3.52
Bases	3.53

OSRAM DULUX® INTELLIGENT FACILITY



Product reference	Product number	W	V	Hz	mA t
DINT FCY 10W/825 E14	4008321**126276**	10	220-240	50...60	80
DINT FCY 10W/825 E27	4008321**126290**	10	220-240	50...60	80
DINT FCY 14W/825 E27	4050300**631905**	14	220-240	50...60	110
DINT FCY 18W/825 E27	4008321**118356**	18	220-240	50...60	145
DINT FCY 22W/825 E27	4008321**948519**	22	220-240	50...60	175

NEW

Product reference		lm		d [mm]	l [mm]		No.
DINT FCY 10W/825 E14	Warm Comfort Light	580	E14	45	129	10	1
DINT FCY 10W/825 E27	Warm Comfort Light	580	E27	45	120	10	2
DINT FCY 14W/825 E27	Warm Comfort Light	800	E27	45	126	10	2
DINT FCY 18W/825 E27	Warm Comfort Light	1050	E27	45	140	10	2
DINT FCY 22W/825 E27	Warm Comfort Light	1360	E27	52	171	10	2

The professional OSRAM DULUX® INTELLIGENT FACILITY energy-saving lamp is ideal for use in conjunction with automatic disconnection circuits and motion detectors and in stairwells. It can be switched on and off an enormous number of times throughout its life.

- NEW: Warm Comfort Light – warm energy-saving light similar to that of an incandescent lamp
- Extremely fast lumen run-up thanks to new patented Quick Light Technology
- Average life according to IEC: up to 20,000 hours (switching cycle: 165 min on, 15 min off) for OSRAM DULUX® INTELLIGENT FACILITY, that corresponds to 20 years at approx. 2.7 hours per day
- Can be used for dc applications without restrictions and in emergency systems (176…310 V)
- No need to worry about switching cycles

Domestic applications
Wherever energy-saving lamps need to be switched on and off frequently

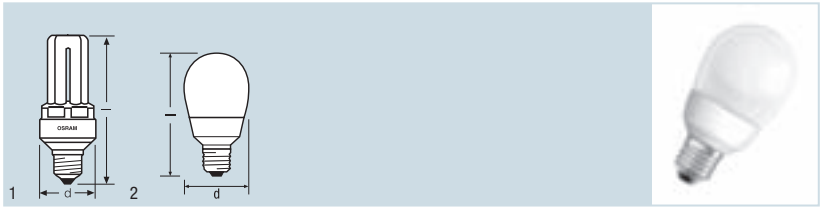
Commercial applications
Hotels, restaurants, facility management

Because it can be switched on and off an enormous number of times the OSRAM DULUX® INTELLIGENT FACILITY is perfect for stairwell lighting with automatic disconnection circuits.

OSRAM DULUX® INTELLIGENT FACILITY lamps are not suitable for use with external dimmers or electronic switches.

Use outdoors only in enclosed and ventilated luminaires.

OSRAM DULUX® INTELLIGENT VARIO



Product reference	Product number	W	V	Hz	mA
DINT VARIO 18W/825 E27 [1]	400832**1953421**	18	220-240	50...60	145
NEW DINT VARIO MIBA 15W E27	400832**1953483**	15	220-240	50...60	120

Product reference		lm		d [mm]	l [mm]		No.
DINT VARIO 18W/825 E27 [1]	Warm Comfort Light	1160	E27	45	148	10	1
DINT VARIO MIBA 15W E27	Warm Comfort Light	850	E27	60	124	10	2

1) Available with B22d base on request

With OSRAM DULUX® INTELLIGENT VARIO and OSRAM DULUX® INTELLIGENT VARIO MINI BALL energy-saving light can be varied without the need for dimmers. The integrated two-stage dimmer function provides bright light or cosy atmospheric light at the flick of a switch.

- NEW: Warm Comfort Light – warm energy-saving light similar to that of an incandescent lamp
- Average life is up to 20,000 hours (switching cycle: 165 min on, 15 min off) for OSRAM DULUX® INTELLIGENT VARIO and OSRAM DULUX® INTELLIGENT VARIO MINI BALL, that corresponds to as much as 20 years at around 2.7 hours a day
- OSRAM DULUX® INTELLIGENT VARIO lamps can be switched on and off extremely frequently (switching cycle: 60 s on, 180 s off) without having to leave the lamp off for a certain time before switching it on again
- Like all OSRAM DULUX® INTELLIGENT lamps the OSRAM DULUX® INTELLIGENT VARIO and OSRAM DULUX® INTELLIGENT VARIO MINI BALL are not suitable for operation on existing dimming systems but does offer its own “built-in” dimming option in all other applications

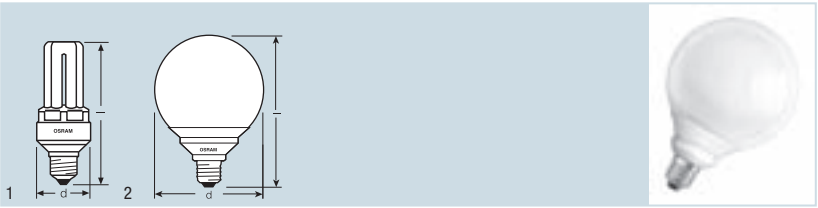
Domestic applications
Wherever the lighting level is to be varied

Commercial applications
Hotels, restaurants

OSRAM DULUX® INTELLIGENT VARIO and OSRAM DULUX® INTELLIGENT VARIO MINI BALL lamps are not suitable for use with external dimmers or electronic switches.

Use outdoors only in enclosed and ventilated luminaires.

OSRAM DULUX® INTELLIGENT DIM



Product reference	Product number			W	V	Hz	mA
DINT DIM STICK 18W/825 E27 [1]	4008321**953445**			18	220-240	50...60	170
DINT DIM GL 15W/825 E27	4008321**924209**			15	220-240	50...60	160

Product reference		lm		d [mm]	l [mm]		No.
DINT DIM STICK 18W/825 E27 [1]	Warm Comfort Light	1140	E27	52	161	10	1
DINT DIM GL 15W/825 E27	Warm Comfort Light	840	E27	120	170	10	2

1) Available with B22d base on request

Infinitely variable dimming
Energy savings and dimming at the same time: OSRAM DULUX® INTELLIGENT DIM is a new infinitely dimmable energy-saving lamp that can be used in many applications with suitable incandescent lamp dimmers (leading-edge phase dimmers). Available in tubular and classic designs.

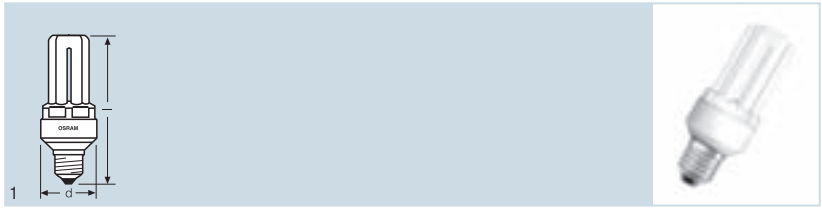
- NEW: Warm Comfort Light – warm energy-saving light similar to that of an incandescent lamp
- Extremely fast lumen run-up thanks to new patented Quick Light Technology
- Average life is up to 20,000 hours (switching cycle: 165 min on, 15 min off) for OSRAM DULUX® INTELLIGENT DIM, that corresponds to as much as 20 years at approx. 2.7 hours per day
- Up to 500,000 switching cycles (60 s on, 180 s off)
- Infinitely variable dimming (from 100 % to 7 %)

Domestic applications
Wherever the lighting level is to be varied

Commercial applications
Hotels, restaurants

Use outdoors only in enclosed and ventilated luminaires.

OSRAM DULUX® INTELLIGENT SOLAR 12V



Product reference	Product number			W	V	Hz	mA
DINT 11W/825 12V DC E27 [1]	4008321**118370**			11	12	50...60	1000

Product reference		lm		d [mm]	l [mm]		No.
DINT 11W/825 12V DC E27 [1]	Warm Comfort Light	560	E27	45	130	10	1

1) Also available in LUMILUX Cool White (840) on request

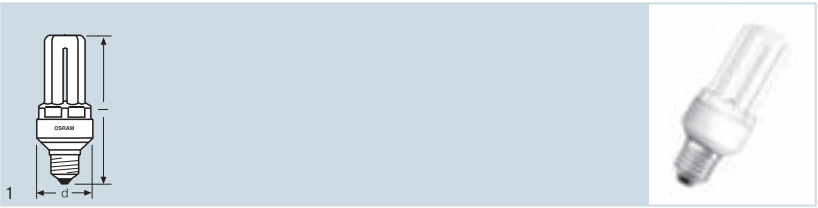
Battery and solar power: OSRAM DULUX® INTELLIGENT 12V
The energy-saving lamp for 12 V dc voltage was developed primarily for use with solar power systems. The OSRAM DULUX® INTELLIGENT 12V is also ideal for mobile use with batteries, for example when camping.

- NEW: Warm Comfort Light – warm energy-saving light similar to that of an incandescent lamp
- Average life is up to 10,000 hours (switching cycle: 165 min on, 15 min off) for OSRAM DULUX® INTELLIGENT 12V, that corresponds to as much as 10 years at approx. 2.7 hours per day
- Unaffected by frequent on/off switching (switching cycle: 60 s on, 180 s off)
- Not suitable for 230 V/110 V

OSRAM DULUX® INTELLIGENT 12V and the VARIO version are not suitable for use with external dimmers or electronic switches.

Use outdoors only in enclosed and ventilated luminaires.

OSRAM DULUX® INTELLIGENT SOLAR 12V VARIO



Product reference	Product number	W	V	Hz	mA t
DINT VARIO 11W/825 12V DC E27 1)	4008321**118417**	11	12	50...60	1000

Product reference		lm		d [mm]	l [mm]		No.
DINT VARIO 11W/825 12V DC E27 1)	Warm Comfort Light	560	E27	45	130	10	1

1) Also available in LUMILUX Cool White (840) on request

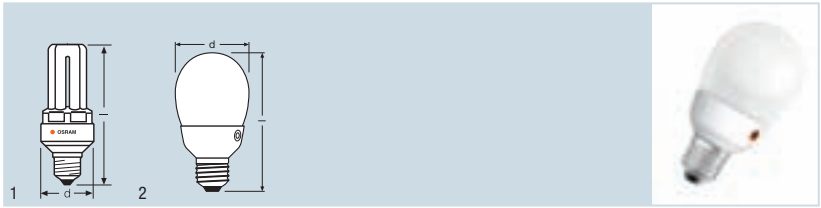
Battery and solar power: OSRAM DULUX® INTELLIGENT 12V
The energy-saving lamp for 12 V dc voltage was developed primarily for use with solar power systems. OSRAM DULUX® INTELLIGENT 12V VARIO can be dimmed without external dimmers. Simply switching the lamp off and on again within three seconds reduces its brightness by about a half. Power consumption is also reduced by more than half. This means that additional energy savings are possible or generator capacity can be released so that other electronic equipment can be connected at the same time.

- NEW: Warm Comfort Light – warm energy-saving light similar to that of an incandescent lamp
- Average life is up to 10,000 hours (switching cycle: 165 min on, 15 min off) for OSRAM DULUX® INTELLIGENT 12V VARIO, that corresponds to as much as 10 years at approx. 2.7 hours per day
- Unaffected by frequent on/off switching (switching cycle: 60 s on, 180 s off)
- Not suitable for 230 V/110 V

OSRAM DULUX® INTELLIGENT 12V and the VARIO version are not suitable for use with external dimmers or electronic switches.

Use outdoors only in enclosed and ventilated luminaires.

OSRAM DULUX® INTELLIGENT SENSOR



Product reference	Product number	W	V	Hz	mA t
DINT SENSOR STICK 11W/825 E27	4008321**102300**	11	220-240	50...60	90
DINT SENSOR MIBA 11W/825 E27	4008321**377722**	11	220-240	50...60	90
DINT SENSOR STICK 15W/825 E27	4050300**451299**	15	220-240	50...60	120

Product reference		lm		d [mm]	l [mm]		No.
DINT SENSOR STICK 11W/825 E27	Warm Comfort Light	600	E27	45	120	10	1
DINT SENSOR MIBA 11W/825 E27	Warm Comfort Light	630	E27	60	114	10	2
DINT SENSOR STICK 15W/825 E27	Warm Comfort Light	850	E27	45	132	10	1

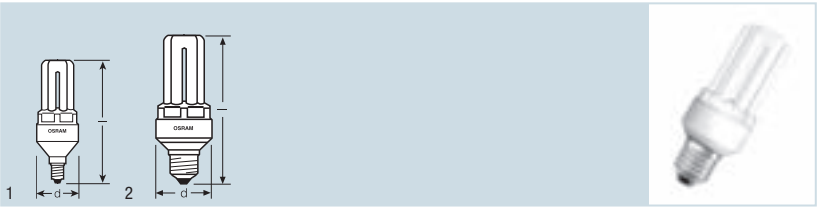
Ideal for constant lighting that is automatic, economical and reliable. OSRAM DULUX® INTELLIGENT SENSOR automatically switches on at dusk and off again at dawn. The light sensors detect daylight on the basis of the spectral distribution.

- NEW: Warm Comfort Light – warm energy-saving light similar to that of an incandescent lamp
- Average life according to IEC: up to 20,000 hours (switching cycle: 165 min on, 15 min off) for OSRAM DULUX® INTELLIGENT SENSOR, that corresponds to as much as 20 years at approx. 2.7 hours per day
- Average life is up to 10,000 hours (switching cycle: 165 min on, 15 min off) for OSRAM DULUX® INTELLIGENT MINI BALL, that corresponds to as much as 10 years at approx. 2.7 hours per day
- Available in tubular and Mini Ball shapes
- Intelligent microprocessor technology
- Unaffected by interference light

OSRAM DULUX® INTELLIGENT SENSOR lamps are not suitable for use with external dimmers or electronic switches.

Use outdoors only in enclosed and ventilated luminaires.

OSRAM DULUX® INTELLIGENT LONGLIFE



Product reference	Product number	W	V	Hz	mA
DINT LL 5W/825 E14 1)	4050300**314747**	5	220-240	50...60	40
DINT LL 5W/825 E27 1)	4050300**357430**	5	220-240	50...60	40
DINT LL 7W/825 E14 2)	4050300**315157**	7	220-240	50...60	55
DINT LL 7W/825 E27 2)	4050300**288819**	7	220-240	50...60	55
DINT LL 11W/825 E14 2)	4050300**811451**	11	220-240	50...60	90
DINT LL 11W/825 E27 2)	4050300**811598**	11	220-240	50...60	90
DINT LL 14W/825 E27 2)	4008321**394965**	14	220-240	50...60	110
DINT LL 18W/825 E27 2)	4008321**394989**	18	220-240	50...60	145
DINT LL 22W/825 E27 2)	4008321**953469**	22	220-240	50...60	175
DINT LL 30W/825 E27 2)	4008321**935939**	30	220-240	50...60	150

Product reference		lm		d [mm]	l [mm]		No.
DINT LL 5W/825 E14 1)	Warm Comfort Light	270	E14	36	122	10	1
DINT LL 5W/825 E27 1)	Warm Comfort Light	270	E27	36	116	10	2
DINT LL 7W/825 E14 2)	Warm Comfort Light	380	E14	36	122	10	1
DINT LL 7W/825 E27 2)	Warm Comfort Light	380	E27	36	116	10	2
DINT LL 11W/825 E14 2)	Warm Comfort Light	640	E14	45	129	10	1
DINT LL 11W/825 E27 2)	Warm Comfort Light	640	E27	45	120	10	2
DINT LL 14W/825 E27 2)	Warm Comfort Light	820	E27	45	131	10	2
DINT LL 18W/825 E27 2)	Warm Comfort Light	1140	E27	45	148	10	2
DINT LL 22W/825 E27 2)	Warm Comfort Light	1440	E27	58	176	10	2
DINT LL 30W/825 E27 2)	Warm Comfort Light	1940	E27	58	195	10	2

1) Also available in LUMILUX® Cool White (840) on request
2) Also available in LUMILUX® Cool White (840) on reqest | available with B22d base on request

The OSRAM DULUX® INTELLIGENT LONGLIFE compact fluorescent lamp offers high luminous efficacy with up to 80 % savings in electricity costs. The E14 and E27 bases mean they can be easily fitted instead of ordinary light bulbs. What's more, these lamps also have excellent color rendering and outstanding distribution of light.

- NEW: Warm Comfort Light – warm energy-saving light similar to that of an incandescent lamp
- Extremely fast lumen run-up thanks to new patented Quick Light Technology
- Average life is up to 20,000 hours (switching cycle: 165 min on, 15 min off) for OSRAM DULUX® INTELLIGENT LONGLIFE, that corresponds to as much as 20 years at approx. 2.7 hours per day
- Extremely compact dimensions
- Flickerfree starting and flickerfree operation
- More light without temperature problems in luminaires designed for ordinary light bulbs

Domestic applications
All rooms, especially where the lamps need to last a long time or have to withstand frequent on/off switching (500,000 switching cycles; switching cycle: 60 s on, 180 s off)

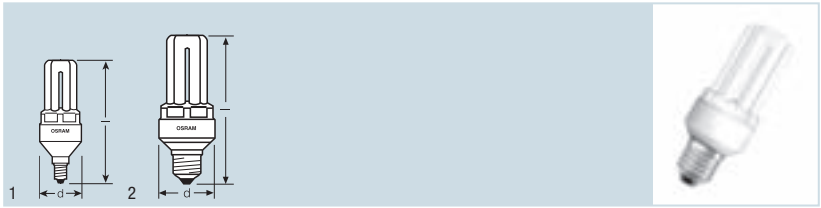
Commercial applications
Restaurants, hotels, foyers, ticket offices, corridors, doctors' surgeries and offices

Major advantage: much longer relamping intervals; meets the highest demands in terms of frequent on/off switching.

OSRAM DULUX® INTELLIGENT LONGLIFE lamps are not suitable for use with external dimmers or electronic switches.

Use outdoors only in enclosed and ventilated luminaires.

OSRAM DULUX® SUPERSTAR STICK



Product reference	Product number	W	V	Hz	mA
DSST STICK 5W/825 E14 1)	4008321**942845**	5	220-240	50...60	40
DSST STICK 5W/825 E27 1)	4008321**942852**	5	220-240	50...60	40
DSST STICK 7W/825 E14 1)	4008321**942876**	7	220-240	50...60	55
DSST STICK 7W/825 E27 1)	4008321**942883**	7	220-240	50...60	55
DSST STICK 11W/825 E14 1)	4008321**942913**	11	220-240	50...60	90
DSST STICK 11W/825 E27 1)	4008321**942920**	11	220-240	50...60	90
DSST STICK 14W/825 E27 1)	4008321**942968**	14	220-240	50...60	110
DSST STICK 18W/825 E27 1)	4008321**943002**	18	220-240	50...60	145
DSST STICK 22W/825 E27 1)	4008321**953360**	22	220-240	50...60	175
DSST STICK 30W/825 E27 1)	4008321**942753**	30	220-240	50...60	150

Product reference		lm		d [mm]	l [mm]		No.
DSST STICK 5W/825 E14 1)	Warm Comfort Light	270	E14	36	122	10	1
DSST STICK 5W/825 E27 1)	Warm Comfort Light	270	E27	36	116	10	2
DSST STICK 7W/825 E14 1)	Warm Comfort Light	380	E14	36	122	10	1
DSST STICK 7W/825 E27 1)	Warm Comfort Light	380	E27	36	116	10	2
DSST STICK 11W/825 E14 1)	Warm Comfort Light	640	E14	45	129	10	1
DSST STICK 11W/825 E27 1)	Warm Comfort Light	640	E27	45	120	10	2
DSST STICK 14W/825 E27 1)	Warm Comfort Light	820	E27	45	131	10	2
DSST STICK 18W/825 E27 1)	Warm Comfort Light	1140	E27	45	148	10	2
DSST STICK 22W/825 E27 1)	Warm Comfort Light	1440	E27	58	176	10	2
DSST STICK 30W/825 E27 1)	Warm Comfort Light	1940	E27	58	195	10	2

1) Also available in LUMILUX® Cool White (840) on request I available with B22d base on request

Modern top-class energy-saving lamps in traditional form
OSRAM DULUX® SUPERSTAR in the original energy-saving lamp shape have an average life of up to 15,000 hours. They are available with E14 or E27 screw bases and in many different wattages.

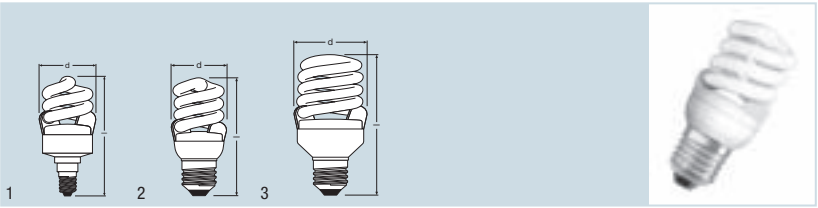
- NEW: Warm Comfort Light – warm energy-saving light similar to that of an incandescent lamp
- Extremely fast lumen run-up thanks to new patented Quick Light Technology
- Average life is up to 15,000 hours (switching cycle: 165 min on, 60 min off) for OSRAM DULUX® SUPERSTAR, that corresponds to as much as 15 years at approx. 2.7 hours per day
- Up to 500,000 switching cycles (60 s on, 180 s off)
- Excellent color rendering

OSRAM DULUX® SUPERSTAR STICK lamps are not suitable for use with external dimmers or electronic switches.

Use outdoors only in enclosed and ventilated luminaires.

Not available in all countries.

OSRAM DULUX® SUPERSTAR MICRO TWIST



Product reference	Product number	W	V	Hz	mA	
DSST MICROTWIST 7W/825 E14 [1]	4008321**948922**	7	220-240	50...60	70	NEW
DSST MICROTWIST 7W/825 E27 [1]	4008321**948953**	7	220-240	50...60	70	NEW
DSST MICROTWIST 11W/825 E14 [1]	4008321**949004**	11	220-240	50...60	105	NEW
DSST MICROTWIST 11W/825 E27 [1]	4008321**948991**	11	220-240	50...60	105	NEW
DSST MICROTWIST 14W/825 E27 [1]	4008321**949066**	14	220-240	50...60	130	NEW
DSST MICROTWIST 18W/825 E27 [1]	4008321**949103**	18	220-240	50...60	170	NEW
DSST MICROTWIST 23W/825 E27 [1]	4008321**949141**	23	220-240	50...60	210	NEW

Product reference		lm		d [mm]	l [mm]		No.
DSST MICROTWIST 7W/825 E14 [1]	Warm Comfort Light	420	E14	42	92	10	1
DSST MICROTWIST 7W/825 E27 [1]	Warm Comfort Light	420	E27	42	88	10	2
DSST MICROTWIST 11W/825 E14 [1]	Warm Comfort Light	650	E14	42	100	10	1
DSST MICROTWIST 11W/825 E27 [1]	Warm Comfort Light	650	E27	42	93	10	2
DSST MICROTWIST 14W/825 E27 [1]	Warm Comfort Light	860	E27	55	103	10	3
DSST MICROTWIST 18W/825 E27 [1]	Warm Comfort Light	1200	E27	55	111	10	3
DSST MICROTWIST 23W/825 E27 [1]	Warm Comfort Light	1600	E27	55	119	10	3

1) Also available in LUMILUX® Cool White (840) on request I available with B22d base on request

Modern energy-saving lamp in a particularly compact full-spiral form
OSRAM DULUX® SUPERSTAR MICRO TWIST energy-saving lamps offer outstanding luminous efficacy and a fascinating appearance. They have an average life of up to 12,000 hours.

- NEW: Warm Comfort Light – warm energy-saving light similar to that of an incandescent lamp
- Extremely fast lumen run-up thanks to new patented Quick Light Technology
- Average life is up to 12,000 hours (switching cycle: 165 min on, 15 min off) for OSRAM DULUX® SUPERSTAR MICRO TWIST, that corresponds to as much as 12 years at approx. 2.7 hours per day
- Attractive and compact design, therefore ideal for use in open luminaires

OSRAM DULUX® SUPERSTAR MICRO TWIST lamps are not suitable for use with external dimmers or electronic switches.

Use outdoors only in enclosed and ventilated luminaires.

OSRAM DULUX® SUPERSTAR CIRCOLUX®

Product reference	Product number			W	V	Hz	mA t
DSST CIRCOLUX 24W/825 E27 [1]	4050300**626628**			24	220-240	50...60	190
Product reference		lm		d [mm]	l [mm]		No.
DSST CIRCOLUX 24W/825 E27 [1]	Warm Comfort Light	1700	E27	230	99	4	1

1) Also available in LUMILUX® Cool White (840) on request

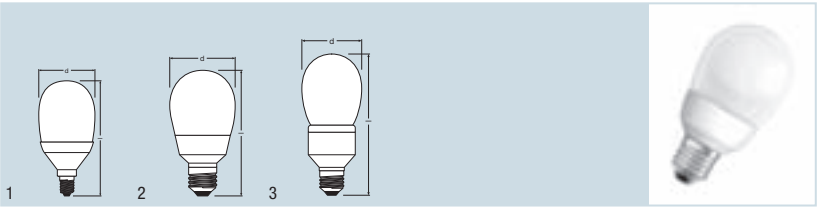
A bright all-round solution
OSRAM DULUX® SUPERSTAR CIRCOLUX® is a round attractive energy-saving lamp. It can be used in a wide range of luminaires with shades thanks to its low weight and low profile. With its extremely high luminous flux, it is perfect for large shades and pendant luminaires.

- NEW: Warm Comfort Light – warm energy-saving light similar to that of an incandescent lamp
- Average life is up to 15,000 hours (switching cycle: 165 min on, 60 min off) for OSRAM DULUX® SUPERSTAR CIRCOLUX®, that corresponds to as much as 15 years at approx. 2.7 hours per day
- Up to 500,000 switching cycles (60 s on, 180 s off)
- Thanks to its round low-profile design, it is perfect for pendant luminaires
- Excellent colour rendering, ideal distribution of light for general illumination

OSRAM DULUX® SUPERSTAR CIRCOLUX® lamps are not suitable for use with external dimmers or electronic switches.

Use outdoors only in enclosed and ventilated luminaires.

OSRAM DULUX® SUPERSTAR MINI BALL



Product reference	Product number	W	V	Hz	mA
DSST MIBA 5W/825 E14	4008321**943439**	5	220-240	50...60	40
DSST MIBA 7W/825 E14	4008321**943453**	7	220-240	50...60	55
DSST MIBA 11W/825 E27 [1]	4008321**943477**	11	220-240	50...60	90
DSST MIBA 15W/825 E27 [1]	4008321**943507**	15	220-240	50...60	120
DSST MIBA 20W/825 E27 [1]	4008321**949349**	20	220-240	50...60	160

Product reference		lm		d [mm]	l [mm]		No.
DSST MIBA 5W/825 E14	Warm Comfort Light	240	E14	50	105	10	1
DSST MIBA 7W/825 E14	Warm Comfort Light	310	E14	50	105	10	1
DSST MIBA 11W/825 E27 [1]	Warm Comfort Light	630	E27	60	114	10	2
DSST MIBA 15W/825 E27 [1]	Warm Comfort Light	850	E27	60	124	10	2
DSST MIBA 20W/825E27 [1]	Warm Comfort Light	1160	E27	65	155	10	3

1) Available with B22d base on request

The OSRAM DULUX® SUPERSTAR MINI BALL compact fluorescent lamp is ideal for decorative and free-burning applications. The opal outer bulb provides a particular soft light and is therefore the ideal replacement for incandescent lamps in terms of form and light color. Thanks to its attractive shape it can also be used in open luminaires.

- NEW: Warm Comfort Light – warm energy-saving light similar to that of an incandescent lamp
- Extremely fast lumen run-up thanks to new patented Quick Light Technology (spring 2010)
- Average life is up to 15,000 hours (switching cycle: 165 min on, 15 min off) for OSRAM DULUX® SUPERSTAR MINI BALL, that corresponds to as much as 15 years at approx. 2.7 hours per day

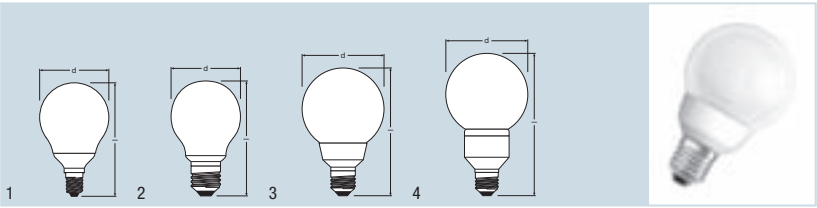
Domestic applications
All rooms, especially where the lamps are visible, need to last a long time or have to withstand frequent on/off switching (up to 50,000 switching cycles; switching cycle 60 s on, 180 s off)

Commercial applications
Restaurants, hotels and similar prestige applications

OSRAM DULUX® SUPERSTAR MINI BALL lamps are not suitable for use with external dimmers or electronic switches.

Use outdoors only in enclosed and ventilated luminaires.

OSRAM DULUX® SUPERSTAR MINI GLOBE



Product reference	Product number	W	V	Hz	mA
DSST MIGL 5W/825 E14	4008321**943651**	5	220-240	50...60	40
DSST MIGL 5W/825 E27	4008321**943637**	5	220-240	50...60	40
DSST MIGL 7W/825 E14	4008321**943699**	7	220-240	50...60	55
DSST MIGL 7W/825 E27	4008321**943675**	7	220-240	50...60	55
DSST MIGL 11W/825 E27	4008321**943712**	11	220-240	50...60	90
DSST MIGL 15W/825 E27	4008321**943736**	15	220-240	50...60	120
DSST MIGL 20W/825 E27 [1]	4008321**949363**	20	220-240	50...60	160

Product reference		lm		d [mm]	l [mm]		No.
DSST MIGL 5W/825 E14	Warm Comfort Light	240	E14	57	105	10	1
DSST MIGL 5W/825 E27	Warm Comfort Light	240	E27	57	98	10	2
DSST MIGL 7W/825 E14	Warm Comfort Light	310	E14	57	105	10	1
DSST MIGL 7W/825 E27	Warm Comfort Light	310	E27	57	98	10	2
DSST MIGL 11W/825 E27	Warm Comfort Light	630	E27	72	114	10	3
DSST MIGL 15W/825 E27	Warm Comfort Light	850	E27	80	124	10	3
DSST MIGL 20W/825 E27 [1]	Warm Comfort Light	1160	E27	95	166	10	4

1) Available with B22d base on request

The OSRAM DULUX® SUPERSTAR MINI GLOBE compact fluorescent lamp is ideal for decorative and free-burning applications. The opal outer bulb provides a particular soft light and is therefore the ideal replacement for incandescent lamps in terms of form and light color. Thanks to its attractive shape it can also be used in open luminaires.

- NEW: Warm Comfort Light – warm energy-saving light similar to that of an incandescent lamp
- Extremely fast lumen run-up thanks to new patented Quick Light Technology (spring 2010)
- Average life is up to 15,000 hours (switching cycle: 165 min on, 15 min off) for OSRAM DULUX® SUPERSTAR MINI GLOBE, that corresponds to as much as 15 years at approx. 2.7 hours per day

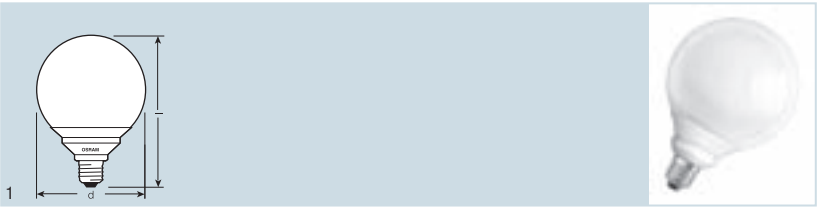
Domestic applications
All rooms, especially where the lamps are visible, need to last a long time or have to withstand frequent on/off switching (up to 50,000 switching cycles; switching cycle 60 s on, 180 s off)

Commercial applications
Restaurants, hotels and similar prestige applications

OSRAM DULUX® SUPERSTAR MINI GLOBE lamps are not suitable for use with external dimmers or electronic switches.

Use outdoors only in enclosed and ventilated luminaires.

OSRAM DULUX® SUPERSTAR GLOBE



Product reference	Product number	W	V	Hz	mA t
DSST GLOBE 14W/825 E27	4008321**943873**	14	220-240	50...60	110
DSST GLOBE 18W/825 E27	4008321**943880**	18	220-240	50...60	145

Product reference		lm		d [mm]	l [mm]		No.
DSST GLOBE 14W/825 E27	Warm Comfort Light	860	E27	120	170	10	1
DSST GLOBE 18W/825 E27	Warm Comfort Light	1060	E27	120	170	10	1

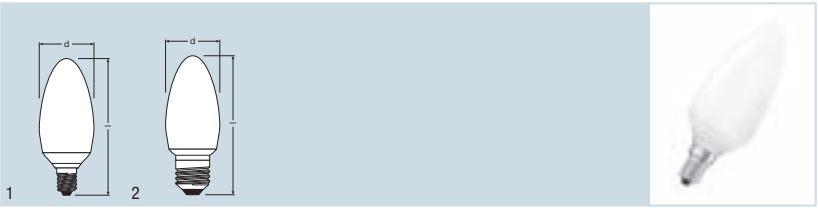
OSRAM DULUX® SUPERSTAR GLOBE offers pleasant glare-free light in light color Warm Comfort Light and extremely fast lumen ramp-up thanks to new patented Quick Light Technology.

- Average life is up to 15,000 hours (switching cycle: 165 min on, 15 min off) for OSRAM DULUX® SUPERSTAR GLOBE, that corresponds to as much as 15 years at approx. 2.7 hours per day
- Up to 500,000 switching cycles (60 s on, 180 s off)
- Attractive design, therefore ideal for use in open luminaires

OSRAM DULUX® SUPERSTAR GLOBE lamps are not suitable for use with external dimmers or electronic switches.

Use outdoors only in enclosed and ventilated luminaires.

OSRAM DULUX® SUPERSTAR MINI CANDLE



Product reference	Product number	W	V	Hz	mA
NEW DSST MICA 5W/825 E14	4008321**944535**	5	220-240	50...60	40
NEW DSST MICA 5W/825 E27	4008321**944542**	5	220-240	50...60	40
NEW DSST MICA 7W/825 E14	4008321**944559**	7	220-240	50...60	55
NEW DSST MICA 7W/825 E27	4008321**944566**	7	220-240	50...60	55
NEW DSST MICA 10W/825 E14	4008321**949424**	10	220-240	50...60	90
NEW DSST MICA 10W/825 E27	4008321**949448**	10	220-240	50...60	90

Product reference		lm		d [mm]	l [mm]		No.
DSST MICA 5W/825 E14	Warm Comfort Light	240	E14	39	107	10	1
DSST MICA 5W/825 E27	Warm Comfort Light	240	E27	39	102	10	2
DSST MICA 7W/825 E14	Warm Comfort Light	286	E14	39	107	10	1
DSST MICA 7W/825 E27	Warm Comfort Light	286	E27	39	102	10	2
DSST MICA 10W/825 E14	Warm Comfort Light	445	E14	39	124	10	1
DSST MICA 10W/825 E27	Warm Comfort Light	445	E27	39	119	10	2

The OSRAM DULUX® SUPERSTAR MINI CANDLE compact fluorescent lamp is ideal for decorative and free-burning applications. The frosted outer bulb provides a particular soft light and is therefore the ideal replacement for incandescent lamps in terms of form and light color.

- NEW: Warm Comfort Light – warm energy-saving light similar to that of an incandescent lamp
- Extremely fast lumen run-up thanks to new patented Quick Light Technology (spring 2010)
- Average life is up to 15,000 hours (switching cycle: 165 min on, 15 min off) for OSRAM DULUX® SUPERSTAR MINI CANDLE, that corresponds to as much as 15 years at approx. 2.7 hours per day

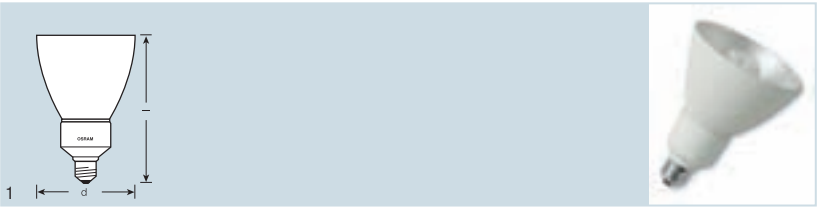
Domestic applications
All rooms, especially where the lamps are visible, need to last a long time or have to withstand frequent on/off switching (up to 50,000 switching cycles; switching cycle 60 s on, 180 s off)

Commercial applications
Restaurants, hotels and similar prestige applications

OSRAM DULUX® SUPERSTAR MINI CANDLE lamps are not suitable for use with external dimmers or electronic switches.

Use outdoors only in enclosed and ventilated luminaires.

OSRAM DULUX® SUPERSTAR REFLECTOR



Product reference	Product number	W	V	Hz	mA t
DSST REFLECTOR 14W/825 E27	4008321**396440**	14	220-240	50...60	110
DSST REFLECTOR 18W/825 E27	4008321**396396**	18	220-240	50...60	145

Product reference		cd		d [mm]	l [mm]		No.
DSST REFLECTOR 14W/825 E27	Warm Comfort Light	200	E27	99	146	10	1
DSST REFLECTOR 18W/825 E27	Warm Comfort Light	310	E27	117	159	10	1

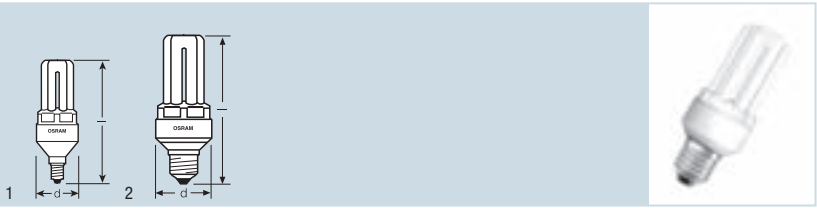
In downlights or spotlights, the OSRAM DULUX® SUPERSTAR REFLECTOR with its perfectly matched reflector and lamp offers light precisely where it is needed. This means you can save energy even when you are illuminating objects or walls.

- NEW: Warm Comfort Light – warm energy-saving light similar to that of an incandescent lamp
- Average life is up to 15,000 hours (switching cycle: 165 min on, 15 min off) for OSRAM DULUX® SUPERSTAR REFLECTOR, that corresponds to as much as 15 years at approx. 2.7 hours per day
- Up to 500,000 switching cycles (60 s on, 180 s off)
- Replaces conventional incandescent reflector lamps and greatly reduces the thermal load on the objects it illuminates
- Structured wipe-clean reflector

OSRAM DULUX® SUPERSTAR REFLECTOR lamps are not suitable for use with external dimmers or electronic switches.

Use outdoors only in enclosed and ventilated luminaires.

OSRAM DULUXSTAR® STICK



Product reference	Product number	W	V	Hz	mA
DST STICK 5W/825 E14 [1]	4008321**063175**	5	220-240	50...60	40
DST STICK 5W/825 E27 [1]	4008321**063144**	5	220-240	50...60	40
DST STICK 8W/825 E14 [1]	4008321**063236**	8	220-240	50...60	65
DST STICK 8W/825 E27 [1]	4008321**063205**	8	220-240	50...60	65
DST STICK 11W/825 E27 [1]	4008321**063267**	11	220-240	50...60	90
DST STICK 14W/825 E27 [1]	4008321**063298**	14	220-240	50...60	110
DST STICK 17W/825 E27 [1]	4008321**063441**	17	220-240	50...60	125
DST STICK 21W/825 E27 [1]	4008321**063526**	21	220-240	50...60	160
DST STICK 24W/825 E27 [1]	4008321**063502**	24	220-240	50...60	200
DST STICK 30W/825 E27 [1]	4008321**181213**	30	220-240	50...60	150

Product reference		lm		d [mm]	l [mm]		No.
DST STICK 5W/825 E14 [1]	Warm Comfort Light	250	E14	36	114	10	1
DST STICK 5W/825 E27 [1]	Warm Comfort Light	250	E27	36	111	10	2
DST STICK 8W/825 E14 [1]	Warm Comfort Light	400	E14	44	117	10	1
DST STICK 8W/825 E27 [1]	Warm Comfort Light	400	E27	44	114	10	2
DST STICK 11W/825 E27 [1]	Warm Comfort Light	600	E27	44	125	10	2
DST STICK 14W/825 E27 [1]	Warm Comfort Light	770	E27	44	136	10	2
DST STICK 17W/825 E27 [1]	Warm Comfort Light	950	E27	45	172	10	2
DST STICK 21W/825 E27 [1]	Warm Comfort Light	1230	E27	52	161	10	2
DST STICK 24W/825 E27 [1]	Warm Comfort Light	1445	E27	52	179	10	2
DST STICK 30W/825 E27 [1]	Warm Comfort Light	1940	E27	58	195	10	2

1) Also available in LUMILUX® Cool White (840) on request I available with B22d base on request

OSRAM DULUXSTAR® STICK in the original energy-saving lamp shape have an average life of up to 10,000 hours.

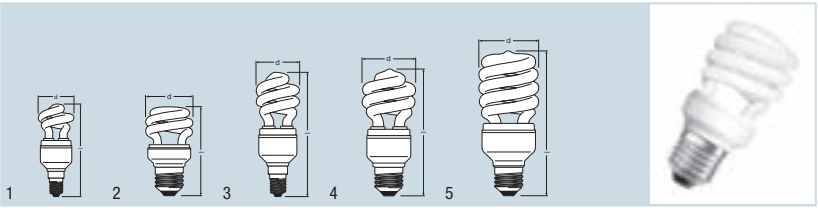
- NEW: Warm Comfort Light – warm energy-saving light similar to that of an incandescent lamp
- Average life is up to 10,000 hours (switching cycle: 165 min on, 15 min off) for OSRAM DULUXSTAR® STICK, that corresponds to as much as 10 years at approx. 2.7 hours per day

OSRAM DULUXSTAR® STICK lamps are not suitable for use with external dimmers or electronic switches.

Use outdoors only in enclosed and ventilated luminaires.

20000 on/off

OSRAM DULUXSTAR® MINI TWIST



Product reference	Product number	W	V	Hz	
DST MINI TWIST 5W/825 E14 [1]	4008321**334633**	5	220-240	50...60	60
DST MINI TWIST 5W/825 E27 [1]	4008321**334602**	5	220-240	50...60	60
DST MINI TWIST 8W/825 E14 [1]	4008321**334510**	8	220-240	50...60	80
DST MINI TWIST 8W/825 E27 [1]	4008321**334480**	8	220-240	50...60	80
DST MINI TWIST 11W/825 E14 [1]	4008321**334398**	11	220-240	50...60	100
DST MINI TWIST 11W/825 E27 [1]	4008321**334367**	11	220-240	50...60	100
DST MINI TWIST 13W/825 E27 [2]	4008321**293985**	13	220-240	50...60	115
DST MINI TWIST 18W/825 E27 [2]	4008321**294029**	18	220-240	50...60	160
DST MINI TWIST 23W/825 E27 [2]	4008321**294067**	23	220-240	50...60	200

Product reference		lm		d [mm]	l [mm]		No.
DST MINI TWIST 5W/825 E14 [1]	Warm Comfort Light	250	E14	37	94	10	1
DST MINI TWIST 5W/825 E27 [1]	Warm Comfort Light	250	E27	42	77	10	2
DST MINI TWIST 8W/825 E14 [1]	Warm Comfort Light	440	E14	37	103	10	3
DST MINI TWIST 8W/825 E27 [1]	Warm Comfort Light	440	E27	48	85	10	2
DST MINI TWIST 11W/825 E14 [1]	Warm Comfort Light	660	E14	42	109	10	3
DST MINI TWIST 11W/825 E27 [1]	Warm Comfort Light	660	E27	48	93	10	4
DST MINI TWIST 13W/825 E27 [2]	Warm Comfort Light	720	E27	52	118	10	4
DST MINI TWIST 18W/825 E27 [2]	Warm Comfort Light	1150	E27	56	125	10	5
DST MINI TWIST 23W/825 E27 [2]	Warm Comfort Light	1450	E27	56	134	10	5

1) Also available in LUMILUX® Cool White (840) on request
2) Also available in LUMILUX® Cool White (840) on request I available with B22d base on request

Modern energy-saving lamp in a compact half-spiral form
The compact OSRAM DULUXSTAR® MINI TWIST energy-saving lamps have impressively high luminous efficacy and a fascinating appearance. They have an average life of up to 8,000 hours.

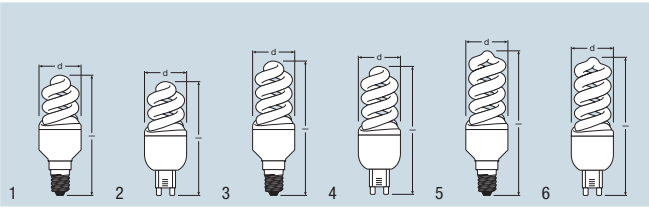
- NEW: Warm Comfort Light – warm energy-saving light similar to that of an incandescent lamp
- Average life is up to 8,000 hours (switching cycle: 165 min on, 15 min off) for OSRAM DULUXSTAR® MINI TWIST, that corresponds to as much as 8 years at approx. 2.7 hours per day
- Up to 80 % less energy consumption compared with ordinary light bulbs
- Attractive and compact design, therefore ideal for use in open luminaires

OSRAM DULUXSTAR® MINI TWIST lamps are not suitable for use with external dimmers or electronic switches.

Use outdoors only in enclosed and ventilated luminaires.

Not available in all countries.

OSRAM DULUXSTAR® NANO TWIST



	Product reference	Product number	W	V	Hz	mA
NEW	DST NANO TW 5W/825 E14 1)	4008321**510914**	5	220-240	50...60	40
NEW	DST NANO TW 5W/825 G9 1)	4008321**510730**	5	220-240	50...60	40
NEW	DST NANO TW 7W/825 E14 1)	4008321**510976**	7	220-240	50...60	60
NEW	DST NANO TW 7W/825 G9 1)	4008321**510792**	7	220-240	50...60	60
NEW	DST NANO TW 9W/825 E14 1)	4008321**511034**	9	220-240	50...60	70
NEW	DST NANO TW 9W/825 G9 1)	4008321**510853**	9	220-240	50...60	70

Product reference		lm		d [mm]	[mm]		No.
DST NANO TW 5W/825 E14 1)	Warm Comfort Light	270	E14	30	87	10	1
DST NANO TW 5W/825 G9 1)	Warm Comfort Light	270	G9	30	80	10	2
DST NANO TW 7W/825 E14 1)	Warm Comfort Light	400	E14	30	97	10	3
DST NANO TW 7W/825 G9 1)	Warm Comfort Light	400	G9	30	90	10	4
DST NANO TW 9W/825 E14 1)	Warm Comfort Light	480	E14	30	105	10	5
DST NANO TW 9W/825 G9 1)	Warm Comfort Light	480	G9	30	98	10	6

1) Also available in LUMILUX® Cool White (840) on request

New: Small compact energy-saving lamp in full-spiral form
The new tiny OSRAM DULUXSTAR® NANO TWIST energy-saving lamps offer high luminous efficacy and a new look. They are among the smallest energy-saving lamps and are ideal in particular for small designer luminaires. They have an average life of up to 8,000 hours. With its G9 base this lamp is another alternative to G9 halogen lamps.

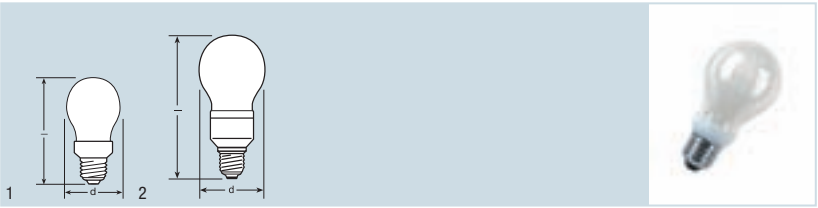
- NEW: Warm Comfort Light – warm energy-saving light similar to that of an incandescent lamp
- Average life is up to 8,000 hours (switching cycle: 165 min on, 15 min off) for OSRAM DULUXSTAR® NANO TWIST, that corresponds to as much as 8 years at approx. 2.7 hours per day
- Thanks to their new attractive and extremely small design these lamps are particularly aesthetic

OSRAM DULUXSTAR® NANO TWIST lamps are not suitable for use with external dimmers or electronic switches.

Use outdoors only in enclosed and ventilated luminaires.

10000 on/off

OSRAM DULUXSTAR® CLASSIC A



Product reference	Product number	W	V	Hz	mA
DST CL A 11W/825 E27 [1]	4008321**946263**	11	220-240	50...60	90
DST CL A 20W/825 E27 [1]	4008321**399878**	20	220-240	50...60	160

Product reference		lm		d [mm]	l [mm]		No.
DST CL A 11W/825 E27 [1]	Warm Comfort Light	620	E27	60	117	10	1
DST CL A 20W/825 E27 [1]	Warm Comfort Light	1160	E27	70	155	10	2

1) Available with B22d base on request

OSRAM DULUXSTAR® CLASSIC A energy-saving lamps in classic light bulb shape have an average life of up to 10,000 hours. Because the dimensions are the same, ordinary light bulbs can be replaced by OSRAM DULUXSTAR® CLASSIC A without any problem at all.

- NEW: Warm Comfort Light – warm energy-saving light similar to that of an incandescent lamp
- Average life is up to 10,000 hours (switching cycle: 165 min on, 15 min off) for OSRAM DULUXSTAR® CLASSIC A, that corresponds to as much as 10 years at approx. 2.7 hours per day
- Up to 80 % less energy consumption compared with ordinary light bulbs
- Attractive design, therefore ideal for use in open luminaires

Domestic applications
All rooms, especially where the lamps are visible, need to last a long time or have to withstand frequent on/off switching (up to 20,000 switching cycles; switching cycle 60 s on, 180 s off)

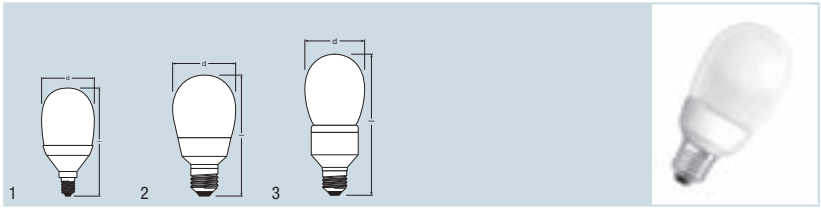
Commercial applications
Restaurants, hotels and similar prestige applications

OSRAM DULUXSTAR® CLASSIC A lamps are not suitable for use with external dimmers or electronic switches.

Use outdoors only in enclosed and ventilated luminaires.

Not available in all countries.

OSRAM DULUXSTAR® MINI BALL



Product reference	Product number	W	V	Hz	mA
DST MIBA 5W/825 E14	4008321**946300**	5	220-240	50...60	40
DST MIBA 7W/825 E14	4008321**946324**	7	220-240	50...60	55
DST MIBA 11W/825 E27 1)	4008321**125705**	11	220-240	50...60	90
DST MIBA 15W/825 E27 1)	4008321**125644**	15	220-240	50...60	120
DST MIBA 20W/825 E27 1)	4008321**946409**	20	220-240	50...60	160

Product reference		lm		d [mm]	l [mm]		No.
DST MIBA 5W/825 E14	Warm Comfort Light	240	E14	50	105	10	1
DST MIBA 7W/825 E14	Warm Comfort Light	310	E14	50	105	10	1
DST MIBA 11W/825 E27 1)	Warm Comfort Light	630	E27	60	114	10	2
DST MIBA 15W/825 E27 1)	Warm Comfort Light	850	E27	60	124	10	2
DST MIBA 20W/825 E27 1)	Warm Comfort Light	1160	E27	65	155	10	3

1) Available with B22d base on request

OSRAM DULUXSTAR® MINI BALL energy-saving lamps are so small and attractive that they open up new applications. They have an average life of up to 10,000 hours.

- NEW: Warm Comfort Light – warm energy-saving light similar to that of an incandescent lamp
- Average life is up to 10,000 hours (switching cycle: 165 min on, 15 min off) for OSRAM DULUXSTAR® MINI BALL, that corresponds to as much as 10 years at approx. 2.7 hours per day
- Up to 80 % less energy consumption compared with ordinary light bulbs
- Particularly compact dimensions
- Attractive design, therefore ideal for use in open luminaires

Domestic applications
All rooms, especially where the lamps are visible, need to last a long time or have to withstand frequent on/off switching (up to 20,000 switching cycles; switching cycle 60 s on, 180 s off).
- Background lighting
- Workplace lighting
- Kitchen lighting
- Dining table lighting
- Lighting for reading

Commercial applications
Restaurants, hotels and similar prestige applications

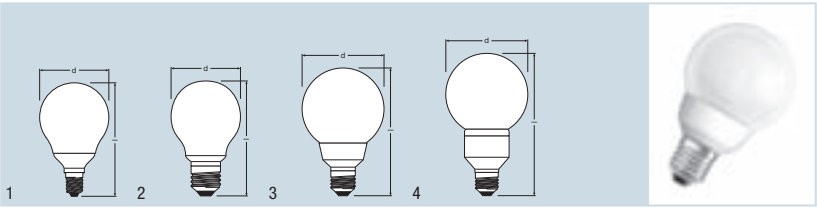
OSRAM DULUXSTAR® MINI BALL lamps are not suitable for use with external dimmers or electronic switches.

Use outdoors only in enclosed and ventilated luminaires.

Not available in all countries.

20000 on/off

OSRAM DULUXSTAR® MINI GLOBE



Product reference	Product number	W	V	Hz	mA
DST MIGL 5W/825 E14	4008321**205490**	5	220-240	50...60	40
DST MIGL 5W/825 E27	4008321**205476**	5	220-240	50...60	40
DST MIGL 7W/825 E14	4008321**205551**	7	220-240	50...60	55
DST MIGL 7W/825 E27	4008321**205537**	7	220-240	50...60	55
DST MIGL 11W/825 E27	4008321**205575**	11	220-240	50...60	90
DST MIGL 15W/825 E27	4008321**205599**	15	220-240	50...60	120
DST MIGL 20W/825 E27 [1]	4008321**946546**	20	220-240	50...60	160

Product reference		lm		d [mm]	[mm]		No.
DST MIGL 5W/825 E14	Warm Comfort Light	240	E14	57	105	10	1
DST MIGL 5W/825 E27	Warm Comfort Light	240	E27	57	98	10	2
DST MIGL 7W/825 E14	Warm Comfort Light	310	E14	57	105	10	1
DST MIGL 7W/825 E27	Warm Comfort Light	310	E27	57	98	10	2
DST MIGL 11W/825 E27	Warm Comfort Light	630	E27	72	114	10	2
DST MIGL 15W/825 E27	Warm Comfort Light	850	E27	80	124	10	3
DST MIGL 20W/825 E27 [1]	Warm Comfort Light	1160	E27	95	165	10	4

1) Available with B22d base on request

20000 on/off

OSRAM DULUXSTAR® MINI GLOBE energy-saving lamps are so small and attractive that they open up new applications. They have an average life of up to 10,000 hours.

- NEW: Warm Comfort Light – warm energy-saving light similar to that of an incandescent lamp
- Average life is up to 10,000 hours (switching cycle: 165 min on, 15 min off) for OSRAM DULUXSTAR® MINI GLOBE, that corresponds to as much as 10 years at approx. 2.7 hours per day
- Up to 80 % less energy consumption compared with ordinary light bulbs
- Particularly compact dimensions
- Attractive design, therefore ideal for use in open luminaires

Domestic applications
All rooms, especially where the lamps are visible, need to last a long time or have to withstand frequent on/off switching (up to 20,000 switching cycles; switching cycle 60 s on, 180 s off).
- Background lighting
- Workplace lighting
- Kitchen lighting
- Dining table lighting
- Lighting for reading

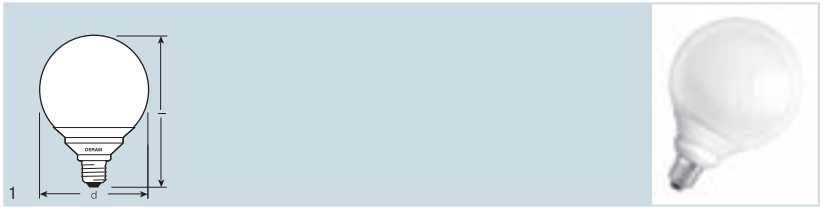
Commercial applications
Restaurants, hotels and similar prestige applications

OSRAM DULUXSTAR® MINI GLOBE lamps are not suitable for use with external dimmers or electronic switches.

Use outdoors only in enclosed and ventilated luminaires.

Not available in all countries.

OSRAM DULUXSTAR® GLOBE



Product reference	Product number	W	V	Hz	mA t
DST GLOBE 14W/825 E27	4008321**946560**	14	220-240	50...60	110
DST GLOBE 18W/825 E27	4008321**946577**	18	220-240	50...60	145

Product reference		lm		d [mm]	l [mm]		No.
DST GLOBE 14W/825 E27	Warm Comfort Light	860	E27	120	170	10	1
DST GLOBE 18W/825 E27	Warm Comfort Light	1060	E27	120	170	10	1

OSRAM DULUXSTAR® GLOBE offers pleasant glare-free light in light color Warm Comfort Light.

- Average life is up to 10,000 hours (switching cycle: 165 min on, 15 min off) for OSRAM DULUXSTAR® GLOBE, that corresponds to as much as 10 years at approx. 2.7 hours per day
- Up to 80 % less energy consumption compared with ordinary light bulbs
- Attractive design, therefore ideal for use in open luminaires

Domestic applications
All rooms, especially where the lamps are visible, need to last a long time or have to withstand frequent on/off switching (up to 10,000 switching cycles; switching cycle 60 s on, 180 s off)

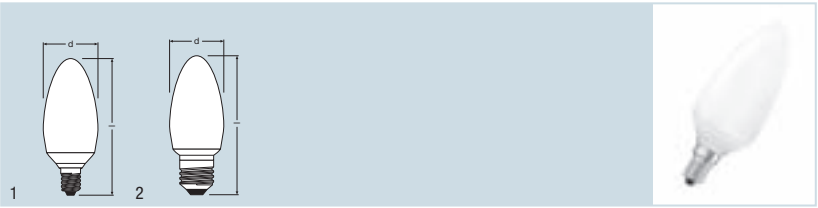
Commercial applications
Restaurants, hotels and similar prestige applications

OSRAM DULUXSTAR® GLOBE lamps are not suitable for use with external dimmers or electronic switches.

Use outdoors only in enclosed and ventilated luminaires.

Not available in all countries.

OSRAM DULUXSTAR® MINI CANDLE



Product reference	Product number	W	V	Hz	mA t	
DST MICA 5W/825 E14	4008321**944450**	5	220-240	50...60	40	NEW
DST MICA 5W/825 E27	4008321**944467**	5	220-240	50...60	40	NEW
DST MICA 7W/825 E14	4008321**944474**	7	220-240	50...60	55	NEW
DST MICA 7W/825 E27	4008321**944481**	7	220-240	50...60	55	NEW
DST MICA 10W/825 E14	4008321**946621**	10	220-240	50...60	90	NEW
DST MICA 10W/825 E27	4008321**946645**	10	220-240	50...60	90	NEW

Product reference		lm		d [mm]	l [mm]		No.
DST MICA 5W/825 E14	Warm Comfort Light	240	E14	39	107	10	1
DST MICA 5W/825 E27	Warm Comfort Light	240	E27	39	102	10	2
DST MICA 7W/825 E14	Warm Comfort Light	286	E14	39	107	10	1
DST MICA 7W/825 E27	Warm Comfort Light	286	E27	39	102	10	2
DST MICA 10W/825 E14	Warm Comfort Light	445	E14	39	124	10	1
DST MICA 10W/825 E27	Warm Comfort Light	445	E27	39	119	10	2

20000 on/off

Modern energy-saving lamp in classic candle shape
OSRAM DULUXSTAR® MINI CANDLE energy-saving lamps in classic candle shape have an average life of up to 10,000 hours. They are available with E14 or E27 screw bases in 3 wattages from 5 to 10 W.

- NEW: Warm Comfort Light – warm energy-saving light similar to that of an incandescent lamp
- Average life is up to 10,000 hours (switching cycle: 165 min on, 15 min off) for OSRAM DULUXSTAR® MINI CANDLE, that corresponds to as much as 10 years at approx. 2.7 hours per day
- Up to 80 % less energy consumption compared with ordinary light bulbs
- Attractive design, therefore ideal for use in open luminaires

Domestic applications
All rooms, especially where the lamps are visible, need to last a long time or have to withstand frequent on/off switching (up to 20,000 switching cycles; switching cycle 60 s on, 180 s off).
- Background lighting
- Workplace lighting
- Kitchen lighting
- Dining table lighting
- Lighting for reading

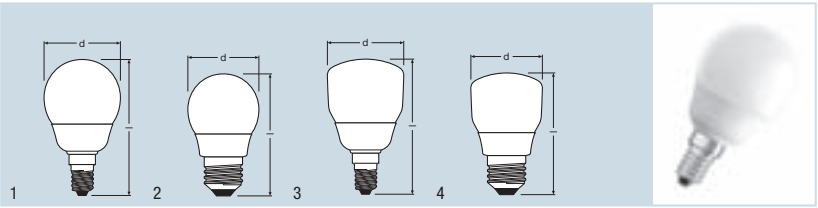
Commercial applications
Restaurants, hotels and similar prestige applications

OSRAM DULUXSTAR® MINI CANDLE lamps are not suitable for use with external dimmers or electronic switches.

Use outdoors only in enclosed and ventilated luminaires.

Not available in all countries.

OSRAM DULUXSTAR® MINI BULLET



Product reference	Product number			W	V	Hz	mA
NEW DST MIBU P 5W/825 E14	4008321**956200**			5	220-240	50...60	40
NEW DST MIBU P 5W/825 E27	4008321**956187**			5	220-240	50...60	40
NEW DST MIBU P 7W/825 E14	4008321**956286**			7	220-240	50...60	60
NEW DST MIBU P 7W/825 E27	4008321**956262**			7	220-240	50...60	60
NEW DST MIBU T 5W/827 E14	4008321**956774**			5	220-240	50...60	40
NEW DST MIBU T 5W/825 E27	4008321**956750**			5	220-240	50...60	40
NEW DST MIBU T 7W/825 E14	4008321**956811**			7	220-240	50...60	60
NEW DST MIBU T 7W/825 E27	4008321**956798**			7	220-240	50...60	60

Product reference		lm		d [mm]	l [mm]		No.
DST MIBU P 5W/825 E14	Warm Comfort Light	210	E14	45	87	10	1
DST MIBU P 5W/825 E27	Warm Comfort Light	210	E27	45	84	10	2
DST MIBU P 7W/825 E14	Warm Comfort Light	300	E14	45	87	10	1
DST MIBU P 7W/825 E27	Warm Comfort Light	300	E27	45	84	10	2
DST MIBU T 5W/827 E14	Warm Comfort Light	210	E14	45	87	10	3
DST MIBU T 5W/825 E27	Warm Comfort Light	210	E27	45	84	10	4
DST MIBU T 7W/825 E14	Warm Comfort Light	300	E14	45	87	10	3
DST MIBU T 7W/825 E27	Warm Comfort Light	300	E27	45	84	10	4

10000 on/off

New: Extremely small and decorative energy-saving lamp with round outer bulb
The OSRAM DULUXSTAR® MINI BULLET compact fluorescent lamp is ideal for decorative and free-burning applications. The frosted outer bulb provides a particular soft light and is therefore the ideal replacement for incandescent lamps in terms of form and light color.

- NEW: Warm Comfort Light – warm energy-saving light similar to that of an incandescent lamp
- Average life is up to 10,000 hours (switching cycle: 165 min on, 15 min off) for OSRAM DULUXSTAR® MINI BULLET, that corresponds to as much as 10 years at approx. 2.7 hours per day

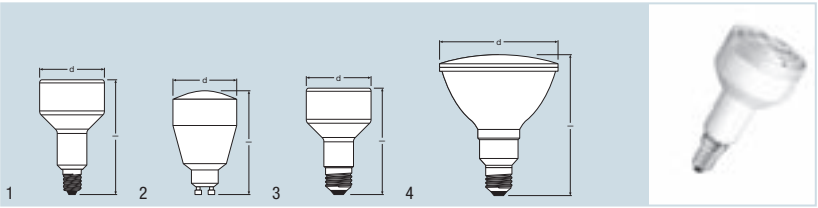
Domestic applications
All rooms, especially where the lamps are visible, need to last a long time or have to withstand frequent on/off switching (up to 10,000 switching cycles; switching cycle 60 s on, 180 s off)

Commercial applications
Restaurants, hotels and similar prestige applications

OSRAM DULUXSTAR® MINI BULLET lamps are not suitable for use with external dimmers or electronic switches.

Use outdoors only in enclosed and ventilated luminaires.

OSRAM DULUXSTAR® REFLECTOR



Product reference	Product number	W	V	Hz	mA
DST REFLECTOR R50 7W/825 E14	4008321**234223**	7	220-240	50...60	55
DST REFLECTOR R50 7W/825 GU10	4008321**938572**	7	220-240	50...60	55
DST REFLECTOR R50 9W/825 E14	4008321**946706**	9	220-240	50...60	70
DST REFLECTOR R50 9W/825 GU10	4008321**946720**	9	220-240	50...60	70
DST REFLECTOR R63 11W/825 E27	4008321**938602**	11	220-240	50...60	90
DST REFLECTOR 13W/825 E27	4008321**946744**	13	220-240	50...60	105
DST REFLECTOR PAR 38 20W/827 E27	4008321**162878**	20	220-240	50...60	180

NEW NEW NEW

Product reference		cd		d [mm]	l [mm]		No.
DST REFLECTOR R50 7W/825 E14	Warm Comfort Light	50	E14	50	94	10	1
DST REFLECTOR R50 7W/825 GU10	Warm Comfort Light	50	GU10	50	79	10	2
DST REFLECTOR R50 9W/825 E14	Warm Comfort Light	63	E14	50	106	10	1
DST REFLECTOR R50 9W/825 GU10	Warm Comfort Light	63	GU10	50	92	10	2
DST REFLECTOR R63 11W/825 E27	Warm Comfort Light	80	E27	63	108	10	3
DST REFLECTOR 13W/825 E27	Warm Comfort Light	95	E27	63	124	10	3
DST REFLECTOR PAR 38 20W/827 E27	Warm White	320	E27	123	138	10	4

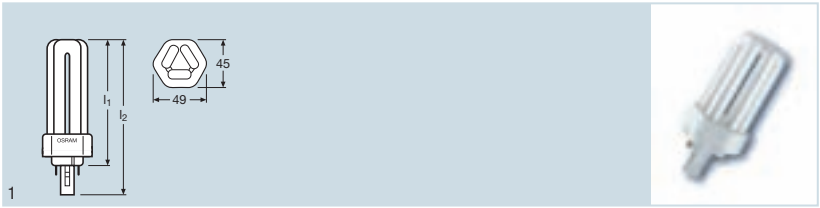
The particularly attractive OSRAM DULUXSTAR® REFLECTOR energy-saving lamps are the economical alternatives to conventional reflector lamps. Their focused directional light is ideal for highlighting objects of interest.

- NEW: Warm Comfort Light – warm energy-saving light similar to that of an incandescent lamp (not available for OSRAM DULUXSTAR® REFLECTOR PAR 38)
- Average life is up to 10,000 hours (switching cycle: 165 min on, 15 min off) for OSRAM DULUXSTAR® REFLECTOR, that corresponds to as much as 10 years at approx. 2.7 hours per day
- Focused directional light
- Attractive design, therefore ideal for use in open luminaires

OSRAM DULUXSTAR® REFLECTOR lamps are not suitable for use with external dimmers or electronic switches.

Use outdoors only in enclosed and ventilated luminaires.

OSRAM DULUX® T PLUS for CCGs



Product reference	Product number	W		lm
DULUX T 13 W/830 PLUS	4050300**446929**	13	LUMILUX Warm White	900
DULUX T 13 W/840 PLUS	4050300**446905**	13	LUMILUX Cool White	900
DULUX T 18 W/827 PLUS	4050300**333502**	18	LUMILUX INTERNA	1200
DULUX T 18 W/830 PLUS	4050300**333489**	18	LUMILUX Warm White	1200
DULUX T 18 W/840 PLUS	4050300**333465**	18	LUMILUX Cool White	1200
DULUX T 26 W/827 PLUS	4050300**342085**	26	LUMILUX INTERNA	1800
DULUX T 26 W/830 PLUS	4050300**342061**	26	LUMILUX Warm White	1800
DULUX T 26 W/840 PLUS	4050300**342047**	26	LUMILUX Cool White	1800

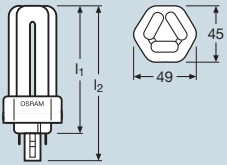
Product reference		l_1 max. [mm]	R_a		No.
DULUX T 13 W/830 PLUS	GX24d-1	90	80...89	10	1
DULUX T 13 W/840 PLUS	GX24d-1	90	80...89	10	1
DULUX T 18 W/827 PLUS	GX24d-2	100	80...89	10	1
DULUX T 18 W/830 PLUS	GX24d-2	100	80...89	10	1
DULUX T 18 W/840 PLUS	GX24d-2	100	80...89	10	1
DULUX T 26 W/827 PLUS	GX24d-3	115	80...89	10	1
DULUX T 26 W/830 PLUS	GX24d-3	115	80...89	10	1
DULUX T 26 W/840 PLUS	GX24d-3	115	80...89	10	1

All the lamps in the successful OSRAM DULUX® T and T/E series have the following positive “PLUS” properties:
- Improved maintenance
- Longer lamp life and service life
- Reduced mercury content
- Improved startup behaviour
- Integrated ignition assistance for faster starting

OSRAM DULUX® T 18 W PLUS lamps are suitable only for operating with 0.22 A control gear.
This compact fluorescent lamp is an even shorter and more compact pin-base lamp with triple-turn tubes. It is ideal for miniaturised unconventional luminaires and downlights with shallow mounting depths and for new lighting systems.

- Approx. $^2/_3$ the length of an OSRAM DULUX® D of the same wattage
- Pleasant warm light, excellent color rendering
- Single-ended plug-in base with integrated starter and RF suppression capacitor

OSRAM DULUX® T/E PLUS for ECGs



1

Product reference	Product number	W		lm
DULUX T/E 13 W/827 PLUS	4050300**447001**	13	LUMILUX INTERNA	900
DULUX T/E 13 W/830 PLUS	4050300**446981**	13	LUMILUX Warm White	900
DULUX T/E 13 W/840 PLUS	4050300**446967**	13	LUMILUX Cool White	900
DULUX T/E 18 W/827 PLUS	4050300**342269**	18	LUMILUX INTERNA	1200
DULUX T/E 18 W/830 PLUS	4050300**342245**	18	LUMILUX Warm White	1200
DULUX T/E 18 W/840 PLUS	4050300**342221**	18	LUMILUX Cool White	1200
DULUX T/E 26 W/827 PLUS	4050300**342320**	26	LUMILUX INTERNA	1800
DULUX T/E 26 W/830 PLUS	4050300**342306**	26	LUMILUX Warm White	1800
DULUX T/E 26 W/840 PLUS	4050300**342283**	26	LUMILUX Cool White	1800
DULUX T/E 32 W/827 PLUS	4050300**348605**	32	LUMILUX INTERNA	2400
DULUX T/E 32 W/830 PLUS	4050300**348582**	32	LUMILUX Warm White	2400
DULUX T/E 32 W/840 PLUS	4050300**348568**	32	LUMILUX Cool White	2400
DULUX T/E 42 W/827 PLUS	4050300**425665**	42	LUMILUX INTERNA	3200
DULUX T/E 42 W/830 PLUS	4050300**425641**	42	LUMILUX Warm White	3200
DULUX T/E 42 W/840 PLUS	4050300**425627**	42	LUMILUX Cool White	3200

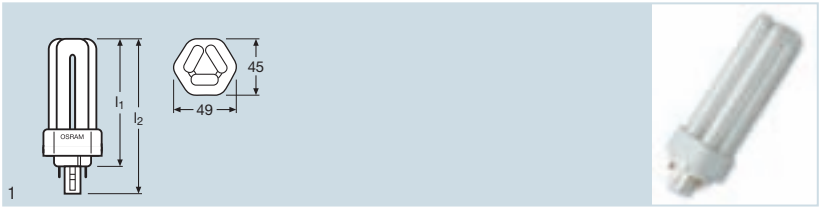
Product reference		l1 max. [mm]	Ra		No.
DULUX T/E 13 W/827 PLUS	GX24q-1	90	80...89	10	1
DULUX T/E 13 W/830 PLUS	GX24q-1	90	80...89	10	1
DULUX T/E 13 W/840 PLUS	GX24q-1	90	80...89	10	1
DULUX T/E 18 W/827 PLUS	GX24q-2	100	80...89	10	1
DULUX T/E 18 W/830 PLUS	GX24q-2	100	80...89	10	1
DULUX T/E 18 W/840 PLUS	GX24q-2	100	80...89	10	1
DULUX T/E 26 W/827 PLUS	GX24q-3	115	80...89	10	1
DULUX T/E 26 W/830 PLUS	GX24q-3	115	80...89	10	1
DULUX T/E 26 W/840 PLUS	GX24q-3	115	80...89	10	1
DULUX T/E 32 W/827 PLUS	GX24q-3	131	80...89	10	1
DULUX T/E 32 W/830 PLUS	GX24q-3	131	80...89	10	1
DULUX T/E 32 W/840 PLUS	GX24q-3	131	80...89	10	1
DULUX T/E 42 W/827 PLUS	GX24q-4	152	80...89	10	1
DULUX T/E 42 W/830 PLUS	GX24q-4	152	80...89	10	1
DULUX T/E 42 W/840 PLUS	GX24q-4	152	80...89	10	1

OSRAM DULUX® T/E PLUS are compact fluorescent lamps for HF control gear and for dimmer systems. These innovative energy-saving lamps are designed for operation on batteries, solar cells and ac supply. They are suitable for high and low voltage and can be fully dimmed. Their dimensions and wattages are identical to those of the standard OSRAM DULUX® T PLUS models.

- Approx. ²/₃ the length of an OSRAM DULUX® D/E of the same wattage
- Single-ended four-pin plug-in GX24q base with shortened base casing to prevent two-pin lamps being fitted in T/E PLUS holders

For more information on QUICKTRONIC® electronic control gear go to www.osram.com/QUICKTRONIC.

OSRAM DULUX® T/E CONSTANT for ECGs



Product reference	Product number	W		lm
DULUX T/E 26 W/830 CONSTANT [1]	4050300**425467**	26	LUMILUX Warm White	1800
DULUX T/E 26 W/840 CONSTANT [1]	4050300**425443**	26	LUMILUX Cool White	1800
DULUX T/E 32 W/827 CONSTANT	4050300**425542**	32	LUMILUX INTERNA	2400
DULUX T/E 32 W/830 CONSTANT	4050300**425528**	32	LUMILUX Warm White	2400
DULUX T/E 32 W/840 CONSTANT	4050300**425504**	32	LUMILUX Cool White	2400
DULUX T/E 42 W/827 CONSTANT	4050300**425603**	42	LUMILUX INTERNA	3200
DULUX T/E 42 W/830 CONSTANT	4050300**425580**	42	LUMILUX Warm White	3200
DULUX T/E 42 W/840 CONSTANT	4050300**425566**	42	LUMILUX Cool White	3200

Product reference		l_1 max. [mm]	R_a		No.
DULUX T/E 26 W/830 CONSTANT [1]	GX24q-3	108	80...89	10	1
DULUX T/E 26 W/840 CONSTANT [1]	GX24q-3	108	80...89	10	1
DULUX T/E 32 W/827 CONSTANT	GX24q-3	124	80...89	10	1
DULUX T/E 32 W/830 CONSTANT	GX24q-3	124	80...89	10	1
DULUX T/E 32 W/840 CONSTANT	GX24q-3	124	80...89	10	1
DULUX T/E 42 W/827 CONSTANT	GX24q-4	146	80...89	10	1
DULUX T/E 42 W/830 CONSTANT	GX24q-4	146	80...89	10	1
DULUX T/E 42 W/840 CONSTANT	GX24q-4	146	80...89	10	1

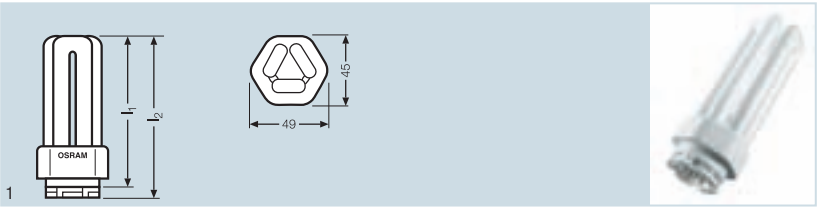
1) On request

OSRAM DULUX® T/E CONSTANT lamps are OSRAM DULUX® T/E PLUS versions for low and high ambient temperatures. At ambient temperatures between +10 and +70 °C more than 90 % of luminous flux is achieved. They can be used in almost all burning positions. They can be dimmed with an appropriate ECG.

- Same base as OSRAM DULUX® T/E PLUS
- All the benefits of OSRAM DULUX® T/E PLUS

For more information on QUICKTRONIC® electronic control gear go to www.osram.com/QUICKTRONIC.

OSRAM DULUX® T/E HE HIGH EFFICIENCY for ECGs



Product reference	Product number	W			
DULUX T/E 11 W/830 HE	4008321**359452**	11	LUMILUX Warm White	GR14q-1	NEW
DULUX T/E 11 W/840 HE	4008321**359476**	11	LUMILUX Cool White	GR14q-1	NEW
DULUX T/E 14 W/830 HE	4008321**290496**	14	LUMILUX Warm White	GR14q-1	NEW
DULUX T/E 14 W/840 HE	4008321**290519**	14	LUMILUX Cool White	GR14q-1	NEW
DULUX T/E 17 W/830 HE	4008321**290533**	17	LUMILUX Warm White	GR14q-1	NEW
DULUX T/E 17 W/840 HE	4008321**290557**	17	LUMILUX Cool White	GR14q-1	NEW

Product reference	l max. [mm]	R_a	lm 35°C		No.
DULUX T/E 11 W/830 HE	105	80...89	900	10	1
DULUX T/E 11 W/840 HE	105	80...89	900	10	1
DULUX T/E 14 W/830 HE	122	80...89	1200	10	1
DULUX T/E 14 W/840 HE	122	80...89	1200	10	1
DULUX T/E 17 W/830 HE	141	80...89	1500	10	1
DULUX T/E 17 W/840 HE	141	80...89	1500	10	1

The new OSRAM DULUX® T/E HE lamps are much more efficient than conventional pin-base lamps: up to +32 % luminous efficacy compared with conventional OSRAM DULUX® D/E lamps (at 35 °C ambient temperature).

Their long average life and their reduced mercury content contribute to their impressive economy and environmental friendliness.

Simple handling thanks to the new GR14q-1 base (reduces the risk of damage to the luminaire reflector during relamping for example).

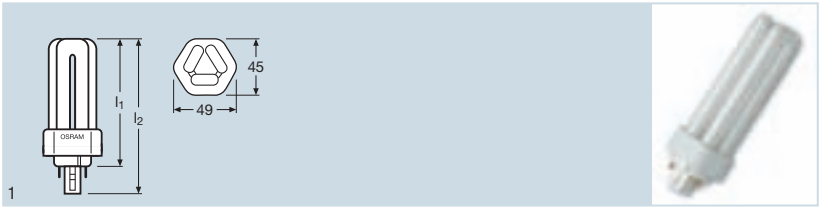
Product benefits
- Higher luminous efficacy
- Long average life: 20,000 hours (with QUICKTRONIC®)
- Easier handling thanks to the new GR14q-1 base system
- Dimming: 14 W and 17 W can be dimmed to 3 % with QT DALI DIM devices
- 3 different lamp lengths/wattages
- Ideal for miniature luminaires and downlights with shallow mounting depth

Applications
- Optimized for indoor lighting as maximum luminous flux is at 35 °C
- OSRAM DULUX® T/E HE lamps are suitable for shop lighting, hotel and restaurant lighting, lighting for industry, trade and commerce, office lighting, public buildings, emergency lighting

Electronic control gear (ECG)
QT DALI-T/E 1x14-17 DIM HE *
QT DALI-T/E 2x14-17 DIM HE *
QT-T/E 1x14-17 HE **
QT-T/E 2x14-17 HE **

* Approved for operating 14 W and 17 W lamps
** Approved for operating 11 W, 14 W and 17 W lamps

OSRAM DULUX® T/E XT for ECGs



Product reference	Product number	W		lm
NEW DULUX T/E 32 W/830 XT 1)	4008321**511911**	32	LUMILUX Warm White	2400
NEW DULUX T/E 32 W/840 XT 1)	4008321**511935**	32	LUMILUX Cool White	2400
NEW DULUX T/E 42 W/830 XT 1)	4008321**511959**	42	LUMILUX Warm White	3200
NEW DULUX T/E 42 W/840 XT 1)	4008321**511973**	42	LUMILUX Cool White	3200

Product reference		l_1 max. [mm]	R_a		No.
DULUX T/E 32 W/830 XT 1)	GX24q-3	131	80...89	10	1
DULUX T/E 32 W/840 XT 1)	GX24q-3	131	80...89	10	1
DULUX T/E 42 W/830 XT 1)	GX24q-4	152	80...89	10	1
DULUX T/E 42 W/840 XT 1)	GX24q-4	152	80...89	10	1

1) Planned to be available from December 2010

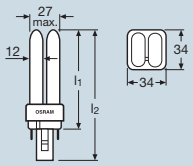
The new OSRAM DULUX® T/E XT lamps have a much longer average life than conventional OSRAM DULUX® T/E lamps.

Thanks to the long average life the maintenance cycle is longer.

Product benefits
- Much lower total cost of ownership, comprising investment, maintenance and relamping costs
- Extremely compact: ideal for miniature luminaires and downlights with shallow mounting depth

Applications
- OSRAM DULUX® T/E XT lamps are suitable for shop lighting, hotel and restaurant lighting, office lighting, public buildings

OSRAM DULUX® D for CCGs



1

Product reference	Product number	W		lm	
DULUX D 10 W/827	4050300**008110**	10	LUMILUX INTERNA	600	
DULUX D 10 W/830	4050300**025681**	10	LUMILUX Warm White	600	
DULUX D 10 W/835	4050300**028835**	10	LUMILUX White	600	NEW
DULUX D 10 W/840	4050300**010595**	10	LUMILUX Cool White	600	
DULUX D 13 W/827	4050300**008127**	13	LUMILUX INTERNA	900	
DULUX D 13 W/830	4050300**025698**	13	LUMILUX Warm White	900	
DULUX D 13 W/835	4050300**028859**	13	LUMILUX White	900	NEW
DULUX D 13 W/840	4050300**010625**	13	LUMILUX Cool White	900	
DULUX D 13 W/865	4050300**487106**	13	LUMILUX Cool Daylight	855	NEW
DULUX D 18 W/827 [1]	4050300**011462**	18	LUMILUX INTERNA	1200	
DULUX D 18 W/830 [1]	4050300**025704**	18	LUMILUX Warm White	1200	
DULUX D 18 W/835 [1]	4050300**028873**	18	LUMILUX White	1200	NEW
DULUX D 18 W/840 [1]	4050300**012056**	18	LUMILUX Cool White	1200	
DULUX D 18 W/865 [1]	4050300**487120**	18	LUMILUX Cool Daylight	1140	NEW
DULUX D 26 W/827	4050300**011912**	26	LUMILUX INTERNA	1800	
DULUX D 26 W/830	4050300**025711**	26	LUMILUX Warm White	1800	
DULUX D 26 W/835	4050300**028897**	26	LUMILUX White	1800	NEW
DULUX D 26 W/840	4050300**012049**	26	LUMILUX Cool White	1800	
DULUX D 26 W/865	4050300**486987**	26	LUMILUX Cool Daylight	1710	NEW

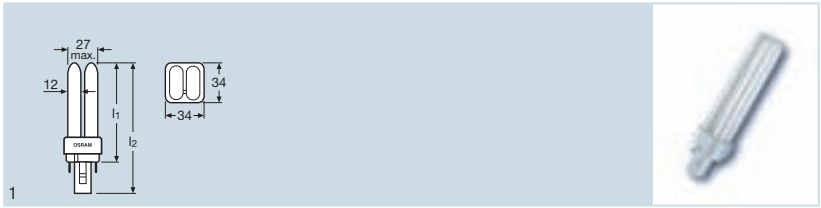
Product reference		l_1 max. [mm]	R_a		No.
DULUX D 10 W/827	G24d-1	87	80...89	10	1
DULUX D 10 W/830	G24d-1	87	80...89	10	1
DULUX D 10 W/835	G24d-1	87	80...89	10	1
DULUX D 10 W/840	G24d-1	87	80...89	10	1
DULUX D 13 W/827	G24d-1	115	80...89	10	1
DULUX D 13 W/830	G24d-1	115	80...89	10	1
DULUX D 13 W/835	G24d-1	115	80...89	10	1
DULUX D 13 W/840	G24d-1	115	80...89	10	1
DULUX D 13 W/865	G24d-1	115	80...89	10	1
DULUX D 18 W/827 [1]	G24d-2	130	80...89	10	1
DULUX D 18 W/830 [1]	G24d-2	130	80...89	10	1
DULUX D 18 W/835 [1]	G24d-2	130	80...89	10	1
DULUX D 18 W/840 [1]	G24d-2	130	80...89	10	1
DULUX D 18 W/865 [1]	G24d-2	130	80...89	10	1
DULUX D 26 W/827	G24d-3	149	80...89	10	1
DULUX D 26 W/830	G24d-3	149	80...89	10	1
DULUX D 26 W/835	G24d-3	149	80...89	10	1
DULUX D 26 W/840	G24d-3	149	80...89	10	1
DULUX D 26 W/865	G24d-3	149	80...89	10	1

1) Only for operation with 0.22 A control gear

This compact fluorescent lamp is ideal for miniature luminaires and downlights for shallow recesses. They have twice the luminous flux and the same length as OSRAM DULUX® S lamps. They provide a pleasant warm light and excellent color rendering.

- Lamp dimensions for luminaires with shallow mouting depth
- Single-ended plug-in base with integrated starter and RF suppression capacitor

OSRAM DULUX® D ES ENERGY SAVER for CCGs



Product reference	Product number	W		lm
NEW DULUX D 16 W/827 ES	4008321**940773**	16	LUMILUX INTERNA	1150
NEW DULUX D 16 W/830 ES	4008321**940797**	16	LUMILUX Warm White	1150
NEW DULUX D 16 W/840 ES	4008321**940810**	16	LUMILUX Cool White	1150
NEW DULUX D 23 W/827 ES	4008321**940759**	23	LUMILUX INTERNA	1750
NEW DULUX D 23 W/830 ES	4008321**940711**	23	LUMILUX Warm White	1750
NEW DULUX D 23 W/840 ES	4008321**940735**	23	LUMILUX Cool White	1750

Product reference		l1 max. [mm]	Ra		No.
DULUX D 16 W/827 ES	G24d-2	130	80...89	10	1
DULUX D 16 W/830 ES	G24d-2	130	80...89	10	1
DULUX D 16 W/840 ES	G24d-2	130	80...89	10	1
DULUX D 23 W/827 ES	G24d-3	149	80...89	10	1
DULUX D 23 W/830 ES	G24d-3	149	80...89	10	1
DULUX D 23 W/840 ES	G24d-3	149	80...89	10	1

Simple direct lamp replacement, cost savings and a contribution to environmental protection: OSRAM DULUX® D ES lamps are quick low-cost energy-saving alternatives for existing lighting systems, with conventional control gear, for interior lighting* – particularly if these systems have not yet fully amortized or if modernization is not an option for some other reason.

Product benefits

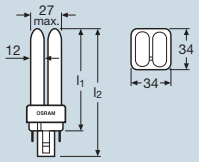
- Saves energy and money: up to 10 % lower power draw
- Reduction in CO_2 emissions (23 W): up to 10 kg over the average life
- Fast relamping: simple direct replacement (identical base)
- More efficient: OSRAM DULUX® D ES 16 W and 23 W replace OSRAM DULUX® D 18 W and 26 W in indoor applications*
- Available only from OSRAM: OSRAM DULUX® D ES 16 W and 23 W
- Calculate the payback time at www.osram.com.light-consultant

Applications

- Existing indoor lighting systems* for OSRAM DULUX® D 18 W and 26 W
- Ideal for miniature luminaires and downlights with shallow mounting depth

* OSRAM DULUX® D ENERGY SAVER 16 W and 23 W are not suitable for outdoor lighting or for indoor lighting with an ambient temperature less than 15 °C

OSRAM DULUX® D/E for ECGs



1

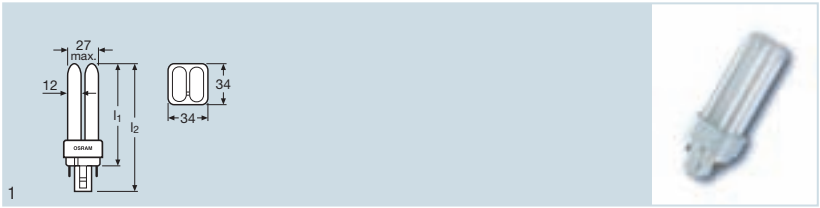
Product reference	Product number	W		lm	
DULUX D/E 10 W/827	4050300**012124**	10	LUMILUX INTERNA	600	
DULUX D/E 10 W/830	4050300**419435**	10	LUMILUX Warm White	600	
DULUX D/E 10 W/835	4050300**450933**	10	LUMILUX White	600	NEW
DULUX D/E 10 W/840	4050300**017587**	10	LUMILUX Cool White	600	
DULUX D/E 13 W/827	4050300**012131**	13	LUMILUX INTERNA	900	
DULUX D/E 13 W/830	4050300**389059**	13	LUMILUX Warm White	900	
DULUX D/E 13 W/835	4050300**450957**	13	LUMILUX White	900	NEW
DULUX D/E 13 W/840	4050300**017594**	13	LUMILUX Cool White	900	
DULUX D/E 18 W/827	4050300**012148**	18	LUMILUX INTERNA	1200	
DULUX D/E 18 W/830	4050300**327211**	18	LUMILUX Warm White	1200	
DULUX D/E 18 W/835	4050300**450971**	18	LUMILUX White	1200	NEW
DULUX D/E 18 W/840	4050300**017617**	18	LUMILUX Cool White	1200	
DULUX D/E 18 W/865	4050300**564944**	18	LUMILUX Cool Daylight	1140	NEW
DULUX D/E 26 W/827	4050300**012230**	26	LUMILUX INTERNA	1800	
DULUX D/E 26 W/830	4050300**327235**	26	LUMILUX Warm White	1800	
DULUX D/E 26 W/835	4050300**450995**	26	LUMILUX White	1800	NEW
DULUX D/E 26 W/840	4050300**020303**	26	LUMILUX Cool White	1800	
DULUX D/E 26 W/865	4008321**185877**	26	LUMILUX Cool Daylight	1710	NEW

Product reference		l_1 max. [mm]	R_a		No.
DULUX D/E 10 W/827	G24q-1	87	80...89	10	1
DULUX D/E 10 W/830	G24q-1	87	80...89	10	1
DULUX D/E 10 W/835	G24q-1	87	80...89	10	1
DULUX D/E 10 W/840	G24q-1	87	80...89	10	1
DULUX D/E 13 W/827	G24q-1	115	80...89	10	1
DULUX D/E 13 W/830	G24q-1	115	80...89	10	1
DULUX D/E 13 W/835	G24q-1	115	80...89	10	1
DULUX D/E 13 W/840	G24q-1	115	80...89	10	1
DULUX D/E 18 W/827	G24q-2	130	80...89	10	1
DULUX D/E 18 W/830	G24q-2	130	80...89	10	1
DULUX D/E 18 W/835	G24q-2	130	80...89	10	1
DULUX D/E 18 W/840	G24q-2	130	80...89	10	1
DULUX D/E 18 W/865	G24q-2	130	80...89	10	1
DULUX D/E 26 W/827	G24q-3	149	80...89	10	1
DULUX D/E 26 W/830	G24q-3	149	80...89	10	1
DULUX D/E 26 W/835	G24q-3	149	80...89	10	1
DULUX D/E 26 W/840	G24q-3	149	80...89	10	1
DULUX D/E 26 W/865	G24q-3	149	80...89	10	1

These compact fluorescent lamps can be operated on battery, solar or ac power. They are suitable for high-voltage and low-voltage ranges. They can also be fully dimmed. Their dimensions and wattages are identical to those of the successful standard OSRAM DULUX® D models. The fact that they can be used with separate electronic control gear means they can be connected to almost any type of power supply, including ac, batteries and solar cells. Major applications include dimming and battery-powered emergency lighting in department stores, office buildings and so on.

- Comfortable light in ECG operation
- Shortened base casing to prevent two-pin lamps being fitted in new D/E holders, but still still fits in old D/E holders

OSRAM DULUX® D/E XT for ECGs



1

Product reference	Product number	W		lm
NEW DULUX D/E 18 W/830 XT 1)	4008321**507532**	18	LUMILUX Warm White	1200
NEW DULUX D/E 18 W/840 XT 1)	4008321**507556**	18	LUMILUX Cool White	1200
NEW DULUX D/E 26 W/830 XT 1)	4008321**508782**	26	LUMILUX Warm White	1800
NEW DULUX D/E 26 W/840 XT 1)	4008321**508829**	26	LUMILUX Cool White	1800

Product reference		l_1 max. [mm]	R_a		No.
DULUX D/E 18 W/830 XT 1)	G24q-2	130	80...89	10	1
DULUX D/E 18 W/840 XT 1)	G24q-2	130	80...89	10	1
DULUX D/E 26 W/830 XT 1)	G24q-3	149	80...89	10	1
DULUX D/E 26 W/840 XT 1)	G24q-3	149	80...89	10	1

1) Planned to be available from December 2010

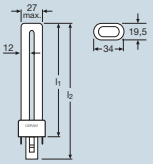
The new OSRAM DULUX® D/E XT lamps have a much longer average life than conventional OSRAM DULUX® D/E lamps.

Thanks to the long average life the maintenance cycle is longer.

Product benefits
- Much lower total cost of ownership, comprising investment, maintenance and relamping costs
- Extremely compact: ideal for miniature luminaires and downlights with shallow mounting depth

Applications
OSRAM DULUX® D/E XT lamps are suitable for shop lighting, hotel and restaurant lighting, office lighting, public buildings

OSRAM DULUX® S for CCGs



1

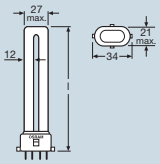
Product reference	Product number	W		lm
DULUX S 5 W/827	4050300**006130**	5	LUMILUX INTERNA	250
DULUX S 5 W/840	4050300**010564**	5	LUMILUX Cool White	250
DULUX S 7 W/827	4050300**005997**	7	LUMILUX INTERNA	400
DULUX S 7 W/830	4050300**025735**	7	LUMILUX Warm White	400
DULUX S 7 W/835	4050300**451039**	7	LUMILUX White	400
DULUX S 7 W/840	4050300**010571**	7	LUMILUX Cool White	400
DULUX S 9 W/827	4050300**006000**	9	LUMILUX INTERNA	600
DULUX S 9 W/830	4050300**025742**	9	LUMILUX Warm White	600
DULUX S 9 W/835	4050300**451053**	9	LUMILUX White	600
DULUX S 9 W/840	4050300**010588**	9	LUMILUX Cool White	600
DULUX S 9 W/865	4050300**355320**	9	LUMILUX Cool Daylight	570
DULUX S 11W/827	4050300**006017**	11	LUMILUX INTERNA	900
DULUX S 11 W/830	4050300**025759**	11	LUMILUX Warm White	900
DULUX S 11 W/835	4050300**451077**	11	LUMILUX White	900
DULUX S 11 W/840	4050300**010618**	11	LUMILUX Cool White	900
COLORED				
DULUX S 9 W/60	4050300**015927**	9	Red	400
DULUX S 9 W/66	4050300**015934**	9	Green	800
DULUX S 9 W/67	4050300**015941**	9	Blue	200

Product reference		l1 max. [mm]	Ra		No.
DULUX S 5 W/827	G23	85	80...89	10	1
DULUX S 5 W/840	G23	85	80...89	10	1
DULUX S 7 W/827	G23	114	80...89	10	1
DULUX S 7 W/830	G23	114	80...89	10	1
DULUX S 7 W/835	G23	114	80...89	50	1
DULUX S 7 W/840	G23	114	80...89	10	1
DULUX S 9 W/827	G23	144	80...89	10	1
DULUX S 9 W/830	G23	144	80...89	10	1
DULUX S 9 W/835	G23	144	80...89	50	1
DULUX S 9 W/840	G23	144	80...89	10	1
DULUX S 9 W/865	G23	144	80...89	50	1
DULUX S 11W/827	G23	214	80...89	10	1
DULUX S 11 W/830	G23	214	80...89	10	1
DULUX S 11 W/835	G23	214	80...89	50	1
DULUX S 11 W/840	G23	214	80...89	10	1
COLORED					
DULUX S 9 W/60	G23	144	-	10	1
DULUX S 9 W/66	G23	144	-	10	1
DULUX S 9 W/67	G23	144	-	10	1

Their small dimensions and slim design make OSRAM DULUX® S lamps ideal for creative lighting.

- Single-ended plug-in base G23 with integrated starter and RF suppression capacitor
- The colored version is ideal for cost-effective creative illumination and decoration

OSRAM DULUX® S/E for ECGs



1

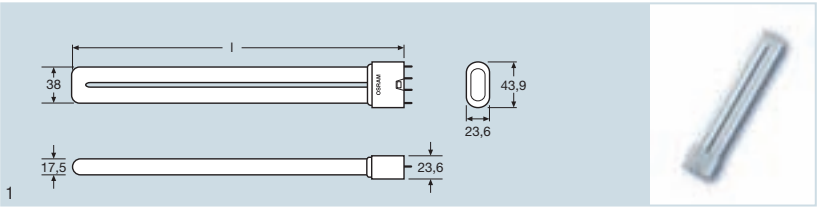
Product reference	Product number	W		lm
DULUX S/E 7 W/827	4050300**017648**	7	LUMILUX INTERNA	400
DULUX S/E 7 W/830	4050300**591988**	7	LUMILUX Warm White	400
DULUX S/E 7 W/840	4050300**020167**	7	LUMILUX Cool White	400
DULUX S/E 9 W/827	4050300**017655**	9	LUMILUX INTERNA	600
DULUX S/E 9 W/830	4050300**589398**	9	LUMILUX Warm White	600
DULUX S/E 9 W/840	4050300**020174**	9	LUMILUX Cool White	600
DULUX S/E 11 W/827	4050300**017662**	11	LUMILUX INTERNA	900
DULUX S/E 11 W/830	4050300**589374**	11	LUMILUX Warm White	900
DULUX S/E 11 W/840	4050300**020181**	11	LUMILUX Cool White	900

Produkt-bezeichnung		l max. [mm]	R_a		No.
DULUX S/E 7 W/827	2G7	114	80...89	10	1
DULUX S/E 7 W/830	2G7	114	80...89	10	1
DULUX S/E 7 W/840	2G7	114	80...89	10	1
DULUX S/E 9 W/827	2G7	144	80...89	10	1
DULUX S/E 9 W/830	2G7	144	80...89	10	1
DULUX S/E 9 W/840	2G7	144	80...89	10	1
DULUX S/E 11 W/827	2G7	214	80...89	10	1
DULUX S/E 11 W/830	2G7	214	80...89	10	1
DULUX S/E 11 W/840	2G7	214	80...89	10	1

These innovative energy-saving lamps can be operated on battery, solar or mains power. They are also fully dimmable. Their dimensions and wattages are identical to those of the successful standard OSRAM DULUX® S models.

- Comfortable light in ECG operation
- Small dimensions, extremely slim
- Smallest unit suitable for solar or battery-powered systems (emergency power)
- Low power consumption (7 W, 9 W, 11 W)
- Single-ended 4-pin plug-in 2G7 base

OSRAM DULUX® L LUMILUX®



Product reference	Product number	W		lm	
DULUX L 18 W/827	4050300**010748**	18	LUMILUX INTERNA	1200	
DULUX L 18 W/830	4050300**010731**	18	LUMILUX Warm White	1200	
DULUX L 18 W/835	4050300**295893**	18	LUMILUX White	1200	NEW
DULUX L 18 W/840	4050300**010724**	18	LUMILUX Cool White	1200	
DULUX L 24 W/827	4050300**010779**	24	LUMILUX INTERNA	1800	
DULUX L 24 W/830	4050300**010762**	24	LUMILUX Warm White	1800	
DULUX L 24 W/835	4050300**295916**	24	LUMILUX White	1800	NEW
DULUX L 24 W/840	4050300**010755**	24	LUMILUX Cool White	1800	
DULUX L 36 W/827	4050300**010809**	36	LUMILUX INTERNA	2900	
DULUX L 36 W/830	4050300**010793**	36	LUMILUX Warm White	2900	
DULUX L 36 W/835	4050300**295930**	36	LUMILUX White	2900	NEW
DULUX L 36 W/840	4050300**010786**	36	LUMILUX Cool White	2900	
DULUX L 36 W/865	4050300**328263**	36	LUMILUX Cool Daylight	2750	
DULUX L 36 W/880	4008321**185891**	36	LUMILUX SKYWHITE	2600	
DULUX L 40 W/827 [1]	4050300**322285**	40	LUMILUX INTERNA	3500	
DULUX L 40 W/830 [1]	4050300**298894**	40	LUMILUX Warm White	3500	
DULUX L 40 W/835 [1]	4050300**295954**	40	LUMILUX White	3500	NEW
DULUX L 40 W/840 [1]	4050300**279909**	40	LUMILUX Cool White	3500	
DULUX L 40 W/865 [1]	4050300**592008**	40	LUMILUX Cool Daylight	3325	
DULUX L 40 W/880 [1]	4008321**185914**	40	LUMILUX SKYWHITE	3150	
DULUX L 55 W/827 [1]	4050300**315881**	55	LUMILUX INTERNA	4800	
DULUX L 55 W/830 [1]	4050300**298917**	55	LUMILUX Warm White	4800	
DULUX L 55 W/835 [1]	4050300**295978**	55	LUMILUX White	4800	NEW
DULUX L 55 W/840 [1]	4050300**295879**	55	LUMILUX Cool White	4800	
DULUX L 55 W/865 [1]	4050300**553900**	55	LUMILUX Cool Daylight	4550	
DULUX L 55 W/880 [1]	4008321**185938**	55	LUMILUX SKYWHITE	4300	
DULUX L 80 W/830 [1]	4050300**665467**	80	LUMILUX Warm White	6500	
DULUX L 80 W/840 [1]	4050300**665481**	80	LUMILUX Cool White	6500	
DULUX L 80 W/880 [1]	4008321**185952**	80	LUMILUX SKYWHITE	5850	
COLORED					
DULUX L 24 W/67	4050300**354033**	24	Blue	550	

Product reference		l max. [mm]	Ra		No.
DULUX L 18 W/827	2G11	217	80...89	10	1
DULUX L 18 W/830	2G11	217	80...89	10	1
DULUX L 18 W/835	2G11	217	80...89	10	1
DULUX L 18 W/840	2G11	217	80...89	10	1
DULUX L 24 W/827	2G11	317	80...89	10	1
DULUX L 24 W/830	2G11	317	80...89	10	1
DULUX L 24 W/835	2G11	317	80...89	10	1
DULUX L 24 W/840	2G11	317	80...89	10	1
DULUX L 36 W/827	2G11	411	80...89	10	1
DULUX L 36 W/830	2G11	411	80...89	10	1
DULUX L 36 W/835	2G11	411	80...89	10	1
DULUX L 36 W/840	2G11	411	80...89	10	1
DULUX L 36 W/865	2G11	411	80...89	10	1
DULUX L 36 W/880	2G11	411	80...89	10	1
DULUX L 40 W/827 [1]	2G11	533	80...89	10	1
DULUX L 40 W/830 [1]	2G11	533	80...89	10	1
DULUX L 40 W/835 [1]	2G11	533	80...89	10	1
DULUX L 40 W/840 [1]	2G11	533	80...89	10	1
DULUX L 40 W/865 [1]	2G11	533	80...89	10	1
DULUX L 40 W/880 [1]	2G11	533	80...89	10	1
DULUX L 55 W/827 [1]	2G11	533	80...89	10	1
DULUX L 55 W/830 [1]	2G11	533	80...89	10	1
DULUX L 55 W/835 [1]	2G11	533	80...89	10	1
DULUX L 55 W/840 [1]	2G11	533	80...89	10	1
DULUX L 55 W/865 [1]	2G11	533	80...89	10	1
DULUX L 55 W/880 [1]	2G11	533	80...89	10	1
DULUX L 80 W/830 [1]	2G11	565	80...89	10	1
DULUX L 80 W/840 [1]	2G11	565	80...89	10	1
DULUX L 80 W/880 [1]	2G11	565	80...89	10	1
COLORED					
DULUX L 24 W/67	2G11	317	-	10	1

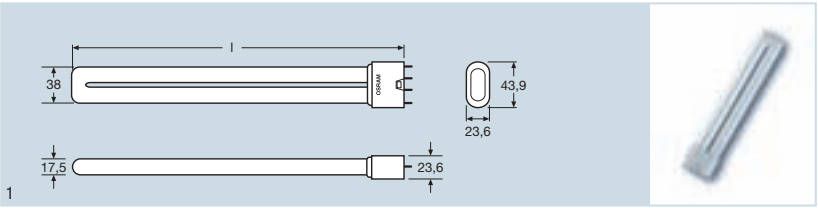
1) For ECG operation only

OSRAM DULUX® L lamps provide lighting planners with interesting options. Their pleasant and economical light can be used in unconventional ways for all indoor and outdoor lighting – ideal for new short-run luminaires.

- Same luminous flux values and wattages as tubular fluorescent lamps but is less than half as long and more compact than U-shaped and circular lamps
- Popular LUMILUX® light color
- Can be combined with existing LUMILUX® lighting because the same range of light colors is available
- Suitable for use with standard control gear and starters (except for OSRAM DULUX® L 40 W, L55 W and L80 W) and for QUICKTRONIC® HF control gear
- Single-ended 4-pin plug-in 2G11 base
- OSRAM DULUX® L 40 W, L 55 W and L 80 W have been designed specifically for square and short-run luminaires with 600 mm sides
- Comfortable light thanks to ECG operation
- The colored version is the ideal energy-saving lamp for illumination and decoration

Applications
Rectangular, square and round ceiling and wall luminaires for foyers, offices, shops and exhibition rooms

OSRAM DULUX® L CONSTANT for ECGs



Product reference	Product number	W		lm
DULUX L 40 W/840 CONSTANT	400832**104823**	40	LUMILUX Cool White	3500
DULUX L 55 W/840 CONSTANT	400832**104847**	55	LUMILUX Cool White	4800
DULUX L 80 W/840 CONSTANT	400832**104861**	80	LUMILUX Cool White	6500

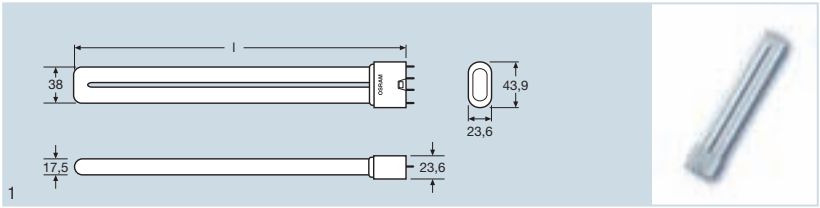
Product reference		l max. [mm]	R_a		No.
DULUX L 40 W/840 CONSTANT	2G11	533	80...89	10	1
DULUX L 55 W/840 CONSTANT	2G11	533	80...89	10	1
DULUX L 80 W/840 CONSTANT	2G11	565	80...89	10	1

OSRAM DULUX® L CONSTANT uses new high-temperature amalgam technology.
This enables the lamps to operate with a luminous flux greater than 90 % in a temperature range from +5 °C to +70 °C. This compares favourably with conventional OSRAM DULUX® L lamps (>90 % between +20 °C and +40 °C).
OSRAM DULUX® L CONSTANT can be dimmed with a suitable ECG.

- Optimized amalgam technology
- The lamp has the same base as conventional OSRAM DULUX® L lamps
- The lamp is identified by a red stamp

Applications
- Outdoor lighting
- Indoor lighting
- Industrial lighting
- Narrow luminaires with high temperatures
- Studio lighting

OSRAM DULUX® L LUMILUX® DE LUXE



Product reference	Product number	W		lm
DULUX L 18 W/930	4050300**018324**	18	LUMILUX DE LUXE Warm White	950
DULUX L 18 W/940	4050300**018560**	18	LUMILUX DE LUXE Cool White	950
DULUX L 18 W/954	4050300**018423**	18	LUMILUX DE LUXE Daylight	950
DULUX L 24 W/930	4050300**018386**	24	LUMILUX DE LUXE Warm White	1500
DULUX L 24 W/940	4050300**018584**	24	LUMILUX DE LUXE Cool White	1500
DULUX L 24 W/954	4050300**018447**	24	LUMILUX DE LUXE Daylight	1500
DULUX L 36 W/930	4050300**018393**	36	LUMILUX DE LUXE Warm White	2350
DULUX L 36 W/940	4050300**018607**	36	LUMILUX DE LUXE Cool White	2350
DULUX L 36 W/954	4050300**018461**	36	LUMILUX DE LUXE Daylight	2350
DULUX L 40 W/954 [1]	4050300**315799**	40	LUMILUX DE LUXE Daylight	2950
DULUX L 55 W/930 [1]	4050300**370705**	55	LUMILUX DE LUXE Warm White	4000
DULUX L 55 W/940 [1]	4050300**197999**	55	LUMILUX DE LUXE Cool White	4000
DULUX L 55 W/954 [1]	4050300**321400**	55	LUMILUX DE LUXE Daylight	4000

Product reference		l max. [mm]	Ra		No.
DULUX L 18 W/930	2G11	217	≥ 90	10	1
DULUX L 18 W/940	2G11	217	≥ 90	10	1
DULUX L 18 W/954	2G11	217	≥ 90	10	1
DULUX L 24 W/930	2G11	317	≥ 90	10	1
DULUX L 24 W/940	2G11	317	≥ 90	10	1
DULUX L 24 W/954	2G11	317	≥ 90	10	1
DULUX L 36 W/930	2G11	411	≥ 90	10	1
DULUX L 36 W/940	2G11	411	≥ 90	10	1
DULUX L 36 W/954	2G11	411	≥ 90	10	1
DULUX L 40 W/954 [1]	2G11	533	≥ 90	10	1
DULUX L 55 W/930 [1]	2G11	533	≥ 90	10	1
DULUX L 55 W/940 [1]	2G11	533	≥ 90	10	1
DULUX L 55 W/954 [1]	2G11	533	≥ 90	10	1

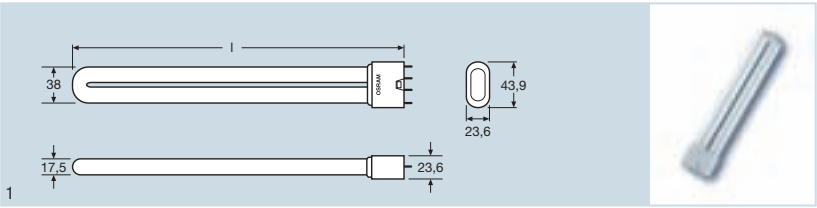
1) For ECG operation only

OSRAM DULUX® L compact fluorescent lamps are ideal for new short-run luminaires.
The excellent color rendering of OSRAM DULUX® L LUMILUX® DE LUXE lamps opens up areas of application in which color rendering is of major importance.

Now up to 34 % higher luminous flux than previous OSRAM DULUX® L LUMILUX® DE LUXE lamps.

Applications
- Printing
- Textile industry
- Shop lighting

OSRAM DULUX® L SP



Product reference	Product number	W		lm	
DULUX L 18 W/830 SP	4050300**300276**	18	LUMILUX Warm White	1200 [1]	
DULUX L 18 W/840 SP	4008321**280497**	18	LUMILUX Cool White	1200 [1]	NEW
DULUX L 24 W/830 SP	4050300**300238**	24	LUMILUX Warm White	1800 [1]	
DULUX L 24 W/840 SP	4008321**280510**	24	LUMILUX Cool White	1800 [1]	NEW
DULUX L 36 W/830 SP	4008321**283757**	36	LUMILUX Warm White	2900 [1]	NEW
DULUX L 36 W/840 SP	4008321**283771**	36	LUMILUX Cool White	2900 [1]	NEW

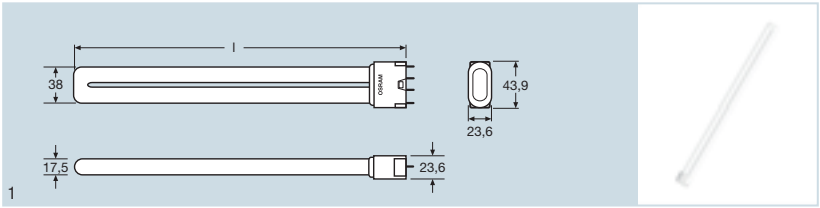
Product reference		l max. [mm]	Ra		No.
DULUX L 18 W/830 SP	2G11	209	80...89	10	1
DULUX L 18 W/840 SP	2G11	209	80...89	10	1
DULUX L 24 W/830 SP	2G11	309	80...89	10	1
DULUX L 24 W/840 SP	2G11	309	80...89	10	1
DULUX L 36 W/830 SP	2G11	403	80...89	10	1
DULUX L 36 W/840 SP	2G11	403	80...89	10	1

1) At an ambient temperature of 5 °C

OSRAM DULUX® L SP lamps offer the same economy and luminous flux as OSRAM DULUX® L particularly at low temperatures, as in outdoor applications and cold indoor applications.

The round-ended design ensures that maximum luminous flux is achieved at an average ambient temperature of 5 °C.

OSRAM DULUX® L HE HIGH EFFICIENCY for ECGs



Product reference	Product number	W	
NEW DULUX L 16 W/830 HE [1]	4008321**507792**	16	LUMILUX Warm White
NEW DULUX L 16 W/840 HE [1]	4008321**507815**	16	LUMILUX Cool White
NEW DULUX L 22 W/830 HE [1]	4008321**507839**	22	LUMILUX Warm White
NEW DULUX L 22 W/840 HE [1]	4008321**508638**	22	LUMILUX Cool White
NEW DULUX L 26 W/830 HE [1]	4008321**508584**	26	LUMILUX Warm White
NEW DULUX L 26 W/840 HE [1]	4008321**508713**	26	LUMILUX Cool White
NEW DULUX L 28 W/830 HE	4008321**296719**	28	LUMILUX Warm White
NEW DULUX L 28 W/840 HE	4008321**296757**	28	LUMILUX Cool White

Product reference		l max. [mm]	lm 35°C		No.
DULUX L 16 W/830 HE [1]	2GX11	317	1600	10	1
DULUX L 16 W/840 HE [1]	2GX11	317	1600	10	1
DULUX L 22 W/830 HE [1]	2GX11	411	2200	10	1
DULUX L 22 W/840 HE [1]	2GX11	411	2200	10	1
DULUX L 26 W/830 HE [1]	2GX11	533	2600	10	1
DULUX L 26 W/840 HE [1]	2GX11	533	2600	10	1
DULUX L 28 W/830 HE	2GX11	565	2800	10	1
DULUX L 28 W/840 HE	2GX11	565	2800	10	1

1) Planned to be available from April 2010

The innovative OSRAM DULUX® L HE (High Efficiency) series offers very high luminous efficacy: 100 lm/W (at an ambient temperature of 35 °C).

A new generation of highly efficient and cost-effective luminaires can now be created.

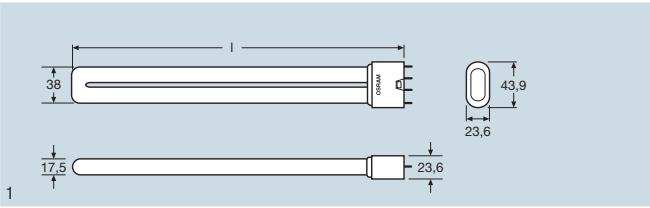
Product benefits
- Extremely efficient: 100 lm/W luminous efficacy (at an ambient temperature of 35 °C)
- Long average life: 20,000 hours (with QUICKTRONIC®)
- Partially dimmable*
- 4 different lamp lengths/wattages
- Operated with QUICKTRONIC® for T5 (QTi DALI, QTi DIM*), QTi, QTP)
- OSRAM DULUX® L HE lamps are ideal for new short-run luminaires and rectangular, square and round ceiling and wall luminaires

Applications
- Optimized for indoor lighting as maximum luminous flux is at an ambient temperature of 35 °C
- For direct and indirect lighting
- OSRAM DULUX® L HE lamps are suitable for shop lighting, hotel and restaurant lighting, lighting for industry, trade and commerce, office lighting, public buildings

For more information on QUICKTRONIC® electronic control gear go to www.osram.com/QUICKTRONIC.

* 28 W can be dimmed to 3 %; 16 W, 22 W and 26 W currently in the release process

OSRAM DULUX® L XT



Product reference	Product number	W		lm	
DULUX L 18 W/830 XT [1]	4008321**507570**	18	LUMILUX Warm White	1200	NEW
DULUX L 18 W/840 XT [1]	4008321**507594**	18	LUMILUX Cool White	1200	NEW
DULUX L 24 W/830 XT [1]	4008321**507617**	24	LUMILUX Warm White	1800	NEW
DULUX L 24 W/840 XT [1]	4008321**507631**	24	LUMILUX Cool White	1800	NEW
DULUX L 36 W/830 XT [1]	4008321**507655**	36	LUMILUX Warm White	2900	NEW
DULUX L 36 W/840 XT [1]	4008321**507679**	36	LUMILUX Cool White	2900	NEW
DULUX L 55 W/830 XT [2]	4008321**507693**	55	LUMILUX Warm White	4800	NEW
DULUX L 55 W/840 XT [2]	4008321**507716**	55	LUMILUX Cool White	4800	NEW

Product reference		l max. [mm]	Ra		No.
DULUX L 18 W/830 XT [1]	2G11	217	80...89	10	1
DULUX L 18 W/840 XT [1]	2G11	217	80...89	10	1
DULUX L 24 W/830 XT [1]	2G11	317	80...89	10	1
DULUX L 24 W/840 XT [1]	2G11	317	80...89	10	1
DULUX L 36 W/830 XT [1]	2G11	411	80...89	10	1
DULUX L 36 W/840 XT [1]	2G11	411	80...89	10	1
DULUX L 55 W/830 XT [2]	2G11	533	80...89	10	1
DULUX L 55 W/840 XT [2]	2G11	533	80...89	10	1

1) Planned to be available from December 2010
2) Planned to be available from December 2010 I For ECG operation only

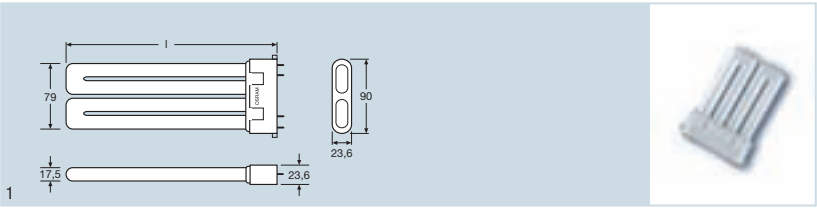
OSRAM DULUX® L XT is an ideal solution for lighting systems in which relamping involves high costs.

Thanks to the long average life the maintenance cycle is longer.

Product benefits
- Much lower total cost of ownership, comprising investment, maintenance and relamping costs
- OSRAM DULUX® L XT lamps are ideal for short-run luminaires and for rectangular, square and round ceiling and wall luminaires

Applications
- For direct and indirect lighting
- OSRAM DULUX® L XT lamps are suitable for lighting for industry, trade and commerce, office lighting, public buildings

OSRAM DULUX® F



Product reference	Product number	W		lm
DULUX F 18 W/827	4050300**333564**	18	LUMILUX INTERNA	1100
DULUX F 18 W/830	4050300**333540**	18	LUMILUX Warm White	1100
DULUX F 18 W/840	4050300**333526**	18	LUMILUX Cool White	1100
DULUX F 24 W/827	4050300**333625**	24	LUMILUX INTERNA	1700
DULUX F 24 W/830	4050300**333601**	24	LUMILUX Warm White	1700
DULUX F 24 W/840	4050300**333588**	24	LUMILUX Cool White	1700
DULUX F 36 W/827	4050300**312187**	36	LUMILUX INTERNA	2800
DULUX F 36 W/830	4050300**299051**	36	LUMILUX Warm White	2800
DULUX F 36 W/840	4050300**299037**	36	LUMILUX Cool White	2800

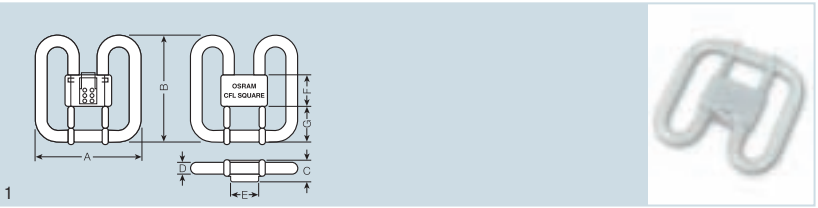
Product reference		l max. [mm]	R_a		No.
DULUX F 18 W/827	2G10	122	80...89	10	1
DULUX F 18 W/830	2G10	122	80...89	10	1
DULUX F 18 W/840	2G10	122	80...89	10	1
DULUX F 24 W/827	2G10	165	80...89	10	1
DULUX F 24 W/830	2G10	165	80...89	10	1
DULUX F 24 W/840	2G10	165	80...89	10	1
DULUX F 36 W/827	2G10	217	80...89	10	1
DULUX F 36 W/830	2G10	217	80...89	10	1
DULUX F 36 W/840	2G10	217	80...89	10	1

OSRAM DULUX® F lamps are new low-profile compact fluorescent lamps with high luminous efficacy. They are ideal for area lighting with 2 M and 3 M modular luminaires (200 and 300 mm sides), e.g. for square surface-mounted and recessed luminaires, low-profile wall and ceiling luminaires, downlights and uplights.

- High luminous efficacy: with QUICKTRONIC® the OSRAM DULUX® F 36 W has a 13 % higher luminous flux than two OSRAM DULUX® L 18 W lamps
- Compact dimensions: only about half as long as an OSRAM DULUX® L of comparable output
- The OSRAM DULUX® F 36 W is easier to install and involves lower system costs than two OSRAM DULUX® L 18 W lamps
- Can be used with the same HF control gear or conventional control gear as OSRAM DULUX® L lamps of comparable output
- 4-pin plug-in 2G10 base

For more information on QUICKTRONIC® electronic control gear go to www.osram.com/QUICKTRONIC.

OSRAM CFL SQUARE® 2-Pin for CCGs



1

Product reference	Product number	W	
CFL SQUARE 16 W/827 2-PIN	4050300**816852**	16	LUMILUX INTERNA
CFL SQUARE 16 W/835 2-PIN	4050300**816838**	16	LUMILUX White
CFL SQUARE 28 W/827 2-PIN	4050300**816913**	28	LUMILUX INTERNA
CFL SQUARE 28 W/835 2-PIN	4050300**816937**	28	LUMILUX White

Product reference	lm		R_a		No.
CFL SQUARE 16 W/827 2-PIN	1050	GR8	80...89	20	1
CFL SQUARE 16 W/835 2-PIN	1050	GR8	80...89	20	1
CFL SQUARE 28 W/827 2-PIN	2050	GR8	80...89	20	1
CFL SQUARE 28 W/835 2-PIN	2050	GR8	80...89	20	1

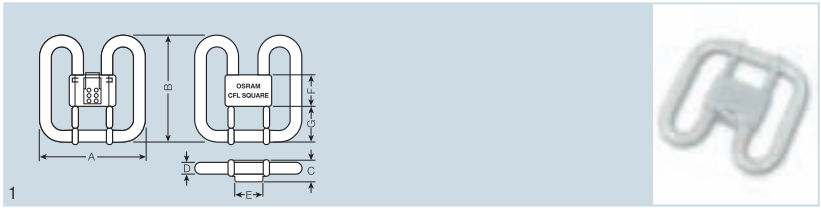
OSRAM CFL SQUARE® 2-pin lamps are slim compact fluorescent lamps. The square shape provides uniform distribution of light, with no shadows at either end and no dark patches. The lamps are ideal for low-profile wall and ceiling luminaires.

- Luminous flux values from 1,050 to 2,050 lm
- Available in 2 wattages: 16 W, 28 W
- Available in 2 light colors: 827 and 835

Applications
Public buildings, reception areas, office lighting, corridors, etc.

For geometric dimensions see page 3.50.

OSRAM CFL SQUARE® 4-Pin



1

Product reference	Product number	W	
CFL SQUARE 16 W/827 4-PIN	4050300**816890**	16	LUMILUX INTERNA
CFL SQUARE 16 W/835 4-PIN	4050300**816876**	16	LUMILUX White
CFL SQUARE 28 W/827 4-PIN	4050300**816951**	28	LUMILUX INTERNA
CFL SQUARE 28 W/835 4-PIN	4050300**816982**	28	LUMILUX White
CFL SQUARE 38 W/827 4-PIN	4050300**817002**	38	LUMILUX INTERNA
CFL SQUARE 38 W/835 4-PIN	4050300**817026**	38	LUMILUX White

Product reference	lm		R_a		No.
CFL SQUARE 16 W/827 4-PIN	1050	GR10q	80...89	20	1
CFL SQUARE 16 W/835 4-PIN	1050	GR10q	80...89	20	1
CFL SQUARE 28 W/827 4-PIN	2050	GR10q	80...89	20	1
CFL SQUARE 28 W/835 4-PIN	2050	GR10q	80...89	20	1
CFL SQUARE 38 W/827 4-PIN	2700	GR10q	80...89	20	1
CFL SQUARE 38 W/835 4-PIN	2700	GR10q	80...89	20	1

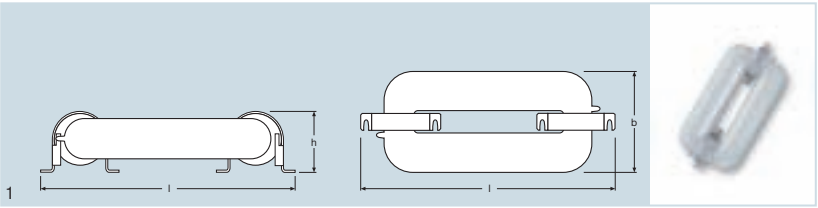
OSRAM CFL SQUARE® 4-pin lamps are slim compact fluorescent lamps. The square shape provides uniform distribution of light, with no shadows at either end and no dark patches. The lamps are ideal for low-profile wall and ceiling luminaires.

- Luminous flux values from 1,050 to 2,700 lm
- Available in 3 wattages: 16 W, 28 W, 38 W
- Available in 2 light colors: 827 and 835
- Suitable for CCG and ECG operation

Applications
Public buildings, reception areas, office lighting, corridors, etc.

For geometric dimensions see page 3.50.

OSRAM ENDURA® – the electrode-less fluorescent lamp



1

Product reference	Product number	W		lm
ENDURA 70 W/830 2-pole [1]	4050300**817293**	70	LUMILUX Warm White	6500 [2]
ENDURA 70 W/840 2-pole [1]	4050300**817286**	70	LUMILUX Cool White	6500 [2]
ENDURA 100 W/830 2-pole [1]	4050300**668420**	100	LUMILUX Warm White	8000 [2]
ENDURA 100 W/840 2-pole [1]	4050300**668437**	100	LUMILUX Cool White	8000 [2]
ENDURA 100 W/840 Reflector [1]	4008321**368034**	100	LUMILUX Cool White	8000 [2]
ENDURA 150 W/830 2-pole [1]	4050300**668444**	150	LUMILUX Warm White	12000 [3]
ENDURA 150 W/840 2-pole [1]	4050300**668451**	150	LUMILUX Cool White	12000 [3]

Product reference	l [mm]	h [mm]	b [mm]	R_a		No.
ENDURA 70 W/830 2-pole [1]	315	75	139	≥ 80	1	1
ENDURA 70 W/840 2-pole [1]	315	75	139	≥ 80	1	1
ENDURA 100 W/830 2-pole [1]	315	75	139	≥ 80	1	1
ENDURA 100 W/840 2-pole [1]	315	75	139	≥ 80	1	1
ENDURA 100 W/840 Reflector [1]	315	75	139	≥ 80	1	1
ENDURA 150 W/830 2-pole [1]	415	75	139	≥ 80	1	1
ENDURA 150 W/840 2-pole [1]	415	75	139	≥ 80	1	1

1) With 2-pin connector
2) With QT ENDURA® 70-100/120-240 S
3) With QT ENDURA® 100-150/120-240 S

The principle of the OSRAM ENDURA®

The discharge in this lamp has no starting point and no end. The closed “ring” enables a discharge to take place without electrodes. In the OSRAM ENDURA® lamps the energy is “injected” from the outside by magnetic fields, which leads to an extremely long service life.

Product features

- Extremely long life
- High luminous flux
- Instant flickerfree starting
- High system luminous efficacy: 80 lm/W
- Excellent quality of light (color rendering R_a≥80)
- High luminous flux over a wide temperature range thanks to amalgam technology
- Low operating frequency of 250 kHz
- Small loss of luminous flux
- Low ignition temperature, as low as -40°C *
- Can be used in dc systems

Applications

Wherever relamping is expensive, for example in outdoor lighting, tunnel lighting and factory lighting

* With appropriate ECG

Technical data

Lamp OSRAM DULUX® Wattage	Lamp voltage at 50/60 Hz V	Lamp voltage in HF mode V	Lamp current at 50/60 Hz mA	Lamp current in HF mode mA	System wattage ECG mode* W	Luminance cd/cm² LF 827, 830, 840	Compensation Parallel capacitor[1] CCG mode 230V/50Hz µF	Compensation Series capacitor[2] CCG mode µF
CFL SQUARE 16	103	84	195	180	–	–	–	–
CFL SQUARE 28	108	97	320	280	–	–	–	–
CFL SQUARE 38	110	96	430	380	–	–	–	–
DULUX S 5	35	–	180	–	–	2.5	2.2	–
DULUX S 7	47/45	–	175/180	–	–	2.6	2.1	–
DULUX S 9	60/59	–	170/180	–	–	2.8	2.0	–
DULUX S 11	91/–	–	155/–	–	–	2.7	1.7	–
DULUX D 10	64	–	190	–	–	4.0	2.2	1.4
DULUX D 13	91	–	175	–	–	4.0	1.8	1.4
DULUX D 18	100	–	220	–	–	4.5	2.2	1.7
DULUX D 26	105	–	325	–	–	5.5	3.2	2.5
DULUX D ES 16 W	85	–	235			4.3	2.2	1.7
DULUX D ES 23 W	90	–	340			4.3	3.2	2.5
DULUX T 13	91	–	175	–	–	4.2	1.8	1.4
DULUX T 18	100	–	225	–	–	4.7	2.3	1.7
DULUX T 26	105	–	325	–	–	6.0	3.3	2.5
DULUX S/E 7	–	37	–	175	9	2.6	–	–
DULUX S/E 9	–	48	–	170	12	2.8	–	–
DULUX S/E 11	–	75	–	150	14	2.7	–	–
DULUX D/E 10	–	51	–	190	12	4.0	–	–
DULUX D/E 13	–	77	–	165	14	4.0	–	–
DULUX D/E 18[3]	–	80	–	210	20	4.5	–	–
DULUX D/E 26[3]	–	80	–	300	28	5.5	–	–
DULUX T/E 13	–	77	–	165	14	4.2	–	–
DULUX T/E 18	–	80	–	210	20	4.7	–	–
DULUX T/E 26[4]	–	80	–	300	28	6.0	–	–
DULUX T/E 32[3][4]	–	100	–	320	35	6.5	–	–
DULUX T/E 42[3][4]	–	135	–	320	46	7.0	–	–
DULUX T/E HE 11 W	–	80	–	150	13.5	3.0	–	–
DULUX T/E HE 14 W	–	100	–	150	17.1	3.0	–	–
DULUX T/E HE 17 W	–	120	–	150	18.8	3.0	–	–
DULUX L 18[3][5]	58	50	375	320	19	2.1	4.2	2.7
DULUX L 24[3][5]	87	75	345	300	27	2.1	3.6	2.7
DULUX L 36[3][5]	106	90	435	360	39	2.8	4.4	3.4
DULUX L 40[4]	–	126	–	320	45	2.3	–	–
DULUX L 55[3][4]	–	101	–	550	61	3.2	–	–
DULUX L 80[4]	–	145		555	86	3.7	–	–
DULUX L HE 16 W	–	u.c.	–	170	u.c.	u.c.	–	–
DULUX L HE 22 W	–	u.c.	–	170	u.c.	u.c.	–	–
DULUX L HE 26 W	–	u.c.	–	170	u.c.	u.c.	–	–
DULUX L HE 28 W	–	146	–	190	31	1.9	–	–
DULUX F 18	58	50	375	320	19	2.4	4.2	2.7
DULUX F 24	87	75	345	300	27	2.5	3.6	2.7
DULUX F 36	106	90	435	360	39	3.0	4.4	3.4

* ECG also available in two-lamp version
For QUICKTRONIC® electronic control gear see Section 12
For detailed technical information see the "Technical Guides"

1) Design for cos phi=0.95, dielectric strength of the capacitors 250 Vac, capacitance tolerance ±10 %
2) To maintain the specified operating and preheating values, close-tolerance capacitors (±2 %) and series reactors (±1.5 %) are required for series compensation. Check the product ranges of leading manufacturers. Dielectric strength of the capacitors 450 V ac
3) Also applies to the XT version
4) Also applies to the CONSTANT version
5) Also applies to the SP version at +5 °C

Technical data

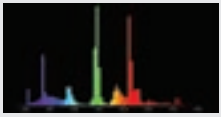
Lamp Wattage	Base	Length l max.	Length to IEC l max.	Length l1 max.	Length l2 max.	Length to IEC l1 max.	Fig. no.
		l max. [mm]	IEC l max. [mm]	l1 max. [mm]	l2 max. [mm]	IEC l1 max. [mm]	No.
DULUX S 5	G23	–	–	85	108	85	1
DULUX S 7	G23	–	–	114	137	115	1
DULUX S 9	G23	–	–	144	167	145	1
DULUX S 11	G23	–	–	214	237	215	1
DULUX S/E 7	2G7	114	115	–	–	–	2
DULUX S/E 9	2G7	144	145	–	–	–	2
DULUX S/E 11	2G7	214	215	–	–	–	2
DULUX D 10	G24d-1	–	–	87	110	95	3
DULUX D 13	G24d-1	–	–	115	138	130	3
DULUX D 18	G24d-2	–	–	130	153	140	3
DULUX D 26	G24d-3	–	–	149	172	160	3
DULUX D ES 16	G24d-2	–	–	130	153	140	3
DULUX D ES 23	G24d-3	–	–	149	172	160	3
DULUX D/E 10	G24q-1	–	–	87	103	95	3
DULUX D/E 13	G24q-1	–	–	115	131	130	3
DULUX D/E 18[1)]	G24q-2	–	–	130	146	140	3
DULUX D/E 26[1)]	G24q-3	–	–	149	165	160	3
DULUX T PLUS 13	GX24d-1	–	–	90	113	90	4
DULUX T PLUS 18	GX24d-2	–	–	100	123	110	4
DULUX T PLUS 26	GX24d-3	–	–	115	138	130	4
DULUX T/E PLUS 13	GX24q-1	–	–	90	106	90	4
DULUX T/E PLUS 18	GX24q-2	–	–	100	116	110	4
DULUX T/E PLUS 26	GX24q-3	–	–	115	131	130	4
DULUX T/E PLUS 32[2)]	GX24q-3	–	–	131	147	145	4
DULUX T/E PLUS 42[2)]	GX24q-4	–	–	152	168	155	4
DULUX T/E CONSTANT 26	GX24q-3	–	–	108	126	130	4
DULUX T/E CONSTANT 32	GX24q-3	–	–	124	142	145	4
DULUX T/E CONSTANT 42	GX24q-4	–	–	146	164	155	4
DULUX T/E HE 11	GR14q-1	–	–	105	112	120	5
DULUX T/E HE 14	GR14q-1	–	–	122	129	140	5
DULUX T/E HE 17	GR14q-1	–	–	141	146	150	5
DULUX L 18[1)]	2G11	217	225	–	–	–	6
DULUX L 24[1)]	2G11	317	320	–	–	–	6
DULUX L 36[1)]	2G11	411	415	–	–	–	6
DULUX L 40[3)]	2G11	533	535	–	–	–	6
DULUX L 55[1)3)]	2G11	533	535	–	–	–	6
DULUX L 803)	2G11	565	565	–	–	–	6
DULUX L SP 18	2G11	209	225	–	–	–	6
DULUX L SP 24	2G11	309	320	–	–	–	6
DULUX L SP 36	2G11	403	415	–	–	–	6
DULUX L HE 16	2GX11	317	u.c.	–	–	–	6
DULUX L HE 22	2GX11	411	u.c.	–	–	–	6
DULUX L HE 26	2GX11	533	u.c.	–	–	–	6
DULUX L HE 28	2GX11	565	565	–	–	–	6
DULUX F 18	2G10	122	122	–	–	–	7
DULUX F 24	2G10	165	165	–	–	–	7
DULUX F 36	2G10	217	217	–	–	–	7

	A in mm	B in mm	C in mm	D in mm	E in mm	F in mm	G in mm	Fig. no.
CFL SQUARE 16	max. 138.0	max. 141.0	max. 27.5	max. 15.0	max. 41.0	max. 40.0	49.0/51.0	8
CFL SQUARE 28	max. 205.0	max. 207.0	max. 33.0	max. 24.0	max. 41.0	max. 49.0	74.0/77.0	8
CFL SQUARE 38	max. 205.0	max. 207.0	max. 33.0	max. 24.0	max. 41.0	max. 49.0	74.0/77.0	8

1) Also applies to the XT version
2) Also applies to T/E XT
3) Also applies to the CONSTANT version

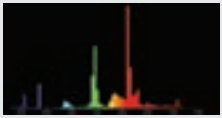
Spectral power distribution of OSRAM DULUX® lamps with integrated control gear

Visible range from 380 to 780 nm, relative spectral emission per 5 nm.



Color 840 LUMILUX®
Cool White

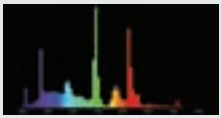
Color 827 LUMILUX®
Warm White



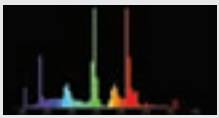
Color 825 LUMILUX®
Warm Comfort Light

Spectral power distribution of OSRAM DULUX pin-base lamps

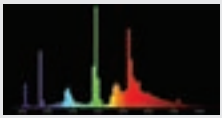
Visible range from 380 to 780 nm, relative spectral emission per 5 nm.



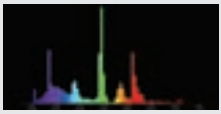
Color 954 LUMILUX®
DE LUXE Daylight



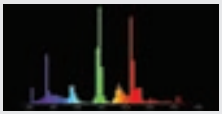
Color 940 LUMILUX®
DE LUXE Cool White



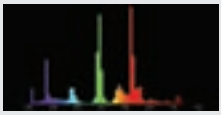
Color 930 LUMILUX®
DE LUXE Warm White



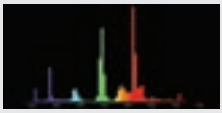
Color 865 LUMILUX®
Cool Daylight



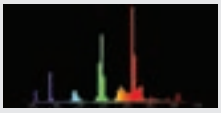
Color 840 LUMILUX®
Cool White



Color 835 LUMILUX®
White



Color 830 LUMILUX®
Warm White



Color 827 LUMILUX®
INTERNA

Note: These chromaticity diagrams do not show the color distributions in great detail. The color printing process is not able to provide an accurate match between the colors shown and the colors defined for the individual color locations.

Light colors and color rendering to DIN 5035 for OSRAM DULUX® lamps with integrated control gear

Light colors and color rendering properties to DIN 5035 for OSRAM DULUX® lamps with integrated control gear

Group 1	1 B	840 LUMILUX®	827 LUMILUX®	825 LUMILUX®
Very good	R_a 80 … 89	Cool White	Warm White	Warm Comfort Light
		4000 K	2700 K	2500 K

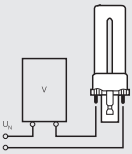
Light colors and color rendering to DIN 5035 for OSRAM DULUX® pin-base lamps

Light colors and color rendering properties to DIN 5035 for OSRAM DULUX® pin-base lamps

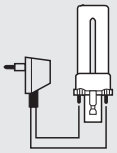
Group 1	1 A	954 LUMILUX® DE LUXE	940 LUMILUX® DE LUXE	930 LUMILUX® DE LUXE
Very good	R_a 90 … 99	Daylight	Cool White	Warm White
		5400 K	4000 K	3000 K
	1 B	865 LUMILUX®	840 LUMILUX®	835 LUMILUX®
	R_a 80 … 89	Cool Daylight	Cool White	White
		6500 K	4000 K	3500 K
				830 LUMILUX® Warm White
				3000 K
				827 LUMILUX INTERNA®
				2700 K

For an explanation of light colors see page 5.33 et seq.

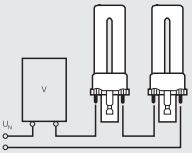
Circuit diagrams for conventional control gear



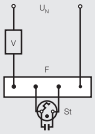
1
Single lamp with control gear
OSRAM DULUX® S 5 W, 7 W, 9 W, 11 W
OSRAM DULUX® D 10 W, 13 W, 18 W, 26 W
OSRAM DULUX® D ES 16 W, 23 W
OSRAM DULUX® T 13 W, 18 W, 26 W



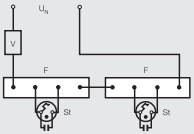
2
Single lamp with plug-in control gear
OSRAM DULUX® S 5 W, 7 W, 9 W, 11 W
OSRAM DULUX® D 10 W, 13 W
OSRAM DULUX® T 13 W



3
Series connection with control gear
OSRAM DULUX® S 5 W, 7 W, 9 W



4
Single circuit, starter St 111
or DEOS® St 171
OSRAM DULUX L 18 W, 24 W, 36 W
OSRAM DULUX L 18 W SP, 24 W SP, 36 W SP
OSRAM DULUX F 18 W, 24 W, 36 W



5
Series operation on 230 V only
with starter St 151
OSRAM DULUX L 18 W
OSRAM DULUX L 18 W SP
OSRAM DULUX F 18 W

F = Four-pin lampholder
St = Starter
UN = Supply voltage
V = Control gear

For circuit diagrams for HF operation see Section 10.

Note for OSRAM DULUX® lamps with integrated control gear
All OSRAM DULUX® lamps with integrated control gear are designed for the European ac voltage of 220–240 V and are therefore not suitable for dc operation. Exceptions will be indicated.

Bases IEC/EN 60061-1

For direct connection to ac power supply

E14
Sheet 7004-23

E27
Sheet 7004-21

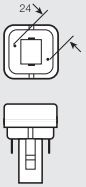
B22d
Sheet 7004-10

G9
Sheet 7004-129

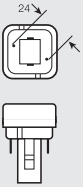
GU10
Sheet 7004-121

For choke/starter operation

G23
Sheet 7004-69

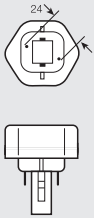


G24q-1
Sheet 7004-78

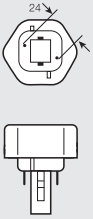


G24q-2
Sheet 7004-78

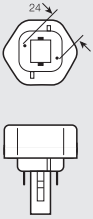
G24q-3
Sheet 7004-78



GX24q-1
Sheet 7004-78

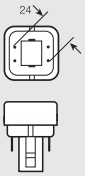


GX24q-2
Sheet 7004-78

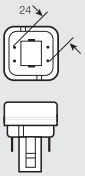


GX24q-3
Sheet 7004-78

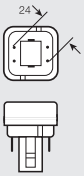
For HF operation



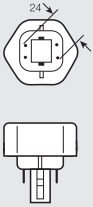
G24q-1
Sheet 7004-78



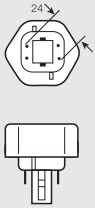
G24q-2
Sheet 7004-78



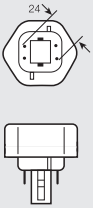
G24q-3
Sheet 7004-78



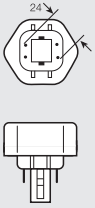
GX24q-1
Sheet 7004-78



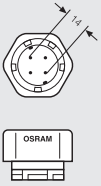
GX24q-2
Sheet 7004-78



GX24q-3
Sheet 7004-78

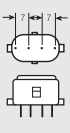


GX24q-4
Sheet 7004-78



GR14q-1
Sheet 7004-156-1
(Proposed)

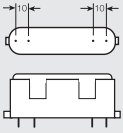
For HF operation



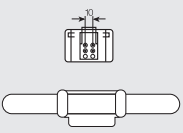
2G7
Sheet 7004-102

2G11[1)]
Sheet 7004-82

2GX11
Sheet 7004-82A-1
(Proposed)

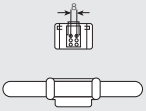


2G10[1)]
Sheet 7004-118



GR10q[1)]
Sheet 7004-77

For choke/starter mode



GR8
Sheet 7004-68

1) Also for choke/starter mode